
BULLETIN

Spring 2004

"American Institute of Hydrology, the Society for Registered/Certified Hydrologists"

Volume 22, Issue 1



TRIBUTE TO HELEN KLOSE 1938-2004

THE AMERICAN INSTITUTE OF HYDROLOGY DEDICATES THIS BULLETIN
TO THE MEMORY OF HELEN KLOSE

It is with saddened hearts that we must report that Helen Klose died January 27, 2004, due to complications from a brain aneurysm. In 1982, Ms. Klose joined the newly founded American Institute of Hydrology as its Office Manager.

The American Institute of Hydrology was founded in Minnesota in 1981 by Messrs. Csallany, Zaporozek and Kanivetsky to certify hydrologists working in the profession. As their first step in getting organized, they had the vision -- or remarkably good fortune -- to hire Helen Klose, who worked single-handedly for over 21 years, running the organization.

Through her dedicated service, she saw AIH grow from a few hundred members to over 1,200 today. She knew every one of the members by first name and was always looking to find ways to attract new members. Helen was the driving force behind virtually everything that AIH has accomplished over the years. She handled all financial matters, organized the annual meeting, kept all new applicants moving through the review process, published the quarterly newsletter and annual Journal and dealt with a daily stream of questions from the membership with grace and professionalism. AIH's highly respected reputation was the reflection of Helen Klose's dedicated service, congenial personality and professionalism.

She is survived by her daughter, Belinda, her son, Bill, his wife, Tarii, and three grandsons, Collin, Nathan and Nikolas. The more than 1,200 members of the AIH family grieve the loss of Helen Klose. She will be missed by all of us.

REMEMBERING HELEN

Helen was a right person for the right time and right place. She was like a magnet that everything was done at AIH. She was a compassionate person, who enjoyed life and humor. She was like a "mom" to the family of each and really was excited when some good news happened to any AIH members. When I was an officer of AIH she often told me that grandchild or baby was born at AIH family. She was also very close to spouses of AIH members and tapped their expertise and help to organize the cultural programs. She also was very saddened when an AIH member lost a family member. For example, when the son of John Nieber died in the boat accident she went to memorial service and comforted John and his family. She always told she loves the family of AIH, but the highest gratification for her was the many friends she made through AIH. All I want to tell you is that "the AIH family was her family and she cared deeply". It will be very hard to fill the shoes of Helen at

AIH. Such deep devotion to organization is rare. We will miss her very much.

~ Roman Kanivetski, Founder

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Like everyone else in AIH who knew and worked with her, I was saddened when I learned from John Moore of Helen's passing. I first met Helen in 1981 at the first meeting of the AIH Executive Committee. I saw her many times thereafter at annual and other meetings. It was obvious from the beginning that she devoted all of her time and energy to insuring the success of the AIH. In fact, we owe much of the AIH's success to her commitment and organizational skills. I want to join other AIH members in remembering her contributions and in mourning her passing.

~ Ralph C. Heath

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Advertisement Rates are as follows:

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1 page	\$525	9½ x 7½"
1/2 page	\$275	9½ x 3½" (1 column)
1/2 page	\$275	4½ x 7½" (1 banner)
1/4 page	\$135	4½ x 3½" (1/2 column)
1/8 page	\$ 85	2¼ x 3½" (1/4 column)

Business Cards (4 issues)

\$225 members \$325 non-members

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PRESIDENT'S MESSAGE

This issue of the Bulletin is dedicated to the memory of Helen Klose. As a tribute to her, we asked all of the people that have had a long association with Helen to let us publish their thoughts and remembrances of Helen. She has left a legacy of achievement for AIH that we will be forever grateful. Thanks to all of you who contributed to this tribute.

Let me start this column by thanking all those members and friends of AIH who helped the organization through the difficult transition following the untimely loss of Helen Klose. As many of you know, we were challenged in getting our dues statements out and collecting our dues, keeping the registration activities on track, and communicating with the membership through newsletters, correspondence, and telephone calls. I am pleased to report that many concerned members stepped forward to lend AIH a helping hand in anyway possible. Special thanks go the Jerry and Cathryn Seaburn for quickly and efficiently acting to provide urgent operational support to AIH. I am pleased to report that in just a couple of months, we have gotten the office administration function back operating smoothly. Through the request of the AIH Executive Committee, we have closed the AIH office in St. Paul and relocated it to Atlanta. We have dealt with an enormous backlog of correspondence and registration issues. So our sincere thanks go to Jerry and Cathryn.

I also want to mention and thank those members who added a voluntary contribution along with their annual dues payment. The response has been significant and the additional funds are severely needed to keep AIH in good fiscal health. Thanks again.

I also wanted to mention some challenges to the hydrogeologic community as part of this message. After a recent survey of geologic mapping by the USGS and their partner State surveys, I was surprised to learn that the single greatest use of geologic maps is associated with water resources studies. These uses are predominately focused on ground water resource evaluation including availability as well as resource protection and remediation studies. Right now only about 25 percent of the U.S. has coverage with modern geologic maps so understanding the hydrogeologic framework is often rudimentary, lacking, or expensive and time consuming to determine through detailed mapping and geophysical campaigns. Several activities are currently in progress that offers exciting opportunities and approaches for the hydrologic community. First, the USGS in partnership with the State Geological Surveys of Ohio, Indiana, Illinois, and Michigan are doing three-dimensional digital geologic mapping of glacial deposits. These efforts are developing new methodologies to create frameworks that are absolutely critical for the accurate assessment and management of ground-water resources in areas underlain by glacial deposits. Similarly, significant efforts are in progress to better understand fractured rock aquifers. This has been a particularly difficult issue for hydrologists and accurate characterization will require continued joint efforts by geologists and hydrogeologists. Finally, let me mention that the hydrologic community must start taking the lead from the petroleum geology community in adapting the use of sequence stratigraphy approaches to better define hydrogeologic frameworks especially the aerial distribution of aquifers continuity of hydraulic properties.

In closing, let me reiterate that the role of the AIH is to serve the needs of the membership. Please contact me and/or any members of the Executive Committee with suggestions and comments relative to improvements. Also, let me encourage you to attend the annual meeting in Las Vegas in October. The organizing committee has been working especially hard on your behalf and it promises to be an outstanding professional event.

Pat Leahy
President, AIH

Remembering - continued from Page 1

My friendship with Helen dates back to 1983 when my application for registration as a professional hydrologist was being processed. In 1986 I became the first President of the Louisiana Section of AIH and as a result my contact with Helen grew. In 1999 I became Senior Vice President and in 2001 President of AIH. Consequently I talked to Helen on a regular basis. What amazed me most about Helen was her ability to know virtually every member of AIH on a first name basis. She knew which application was approved and which was under consideration, and which member has paid dues and which has not. She was like a walking encyclopedia when it came to AIH operations. She and I disagreed on several issues but her devotion to AIH was beyond question. AIH became a part of her life and her family. She was devoted, dedicated, determined and driven to make AIH a successful organization. She almost single-handedly organized annual conferences of AIH. Whatever success AIH has achieved thus far is in a large measure because of her. Because of her, AIH is a much better organization today. Helen, you are and will be sorely missed.

~ Vijay P. Singh, Past President

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I have been a member of AIH since its conception; there are few members still around who remember the challenges of getting AIH established and setting up the criteria for membership and the developing the process needed for AIH to become a viable certifying organization. Helen Klose was instrumental in transforming our organization from a concept into a functioning organization. Having served for many years on the Board of Registration, as a member, Secretary and Chair, I worked closely with Helen for over 22 years and have first hand knowledge of her value to AIH. Helen was truly the glue that held our organization together. She not only served admirably as our office administrator for all those years, she brought the human element and that personal touch that our members appreciated. She knew the name and background of every one of our members. Any time I was trying to find someone to serve on one of our committees, to serve on the Board, or help us with a conference, Helen was the person I relied upon. She was dedicated to AIH and our members. Helen was a valued colleague and a wonderful friend. I will miss her dearly, as will all of our AIH members who knew her well.

~ Ken Brooks, Former Chairman of Registration Board

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I was very saddened to hear of Helen's recent death. I had the pleasure of working closely with her on several occasions, such as in planning the 2001 International AIH Conference, helping count election ballots, as well as in working with our local AIH chapter. She was always very pleasant and easy to work with. Whenever we had a question about AIH, Helen was the one with the answer. I have always thought of Helen as being the heart and soul of the AIH organization. She will be greatly missed.

~ Geoff Delin

In the 1980s, many hydrologists felt a need to better serve people wanting reliable information on water resources, not knowing whom to ask, and liable to be misled. We saw an important societal need, had a vision for action, and proposed establishing AIH as a means of offering credentials to document expertise in hydrology through examination and certification. However, none of us fully appreciated the immense amount of work required to establish a new organization, walk people through a certification process, and keep the records needed for a solvent operation. The lofty vision could only become reality through effective execution of daily operations.

We knew about runoff and aquifers but did not really appreciate the essential role that the art of interpersonal relationships has in drawing people together in common purpose by serving their needs. Creating an organization has a human side that goes far beyond using correct hydrologic data and formulas.

Then, Helen Klose entered our lives. With her, AIH could talk to hydrologists over the country and around the work through a cheery voice that conveyed sincere personal interest. We gained an operating office that responded quickly when our members needed help or support with a way to give it to them.

AIH greatly needed someone just like this because no one enjoys being examined. Entering an examination is worse than going to a dentist. It brings a mental anguish worse than physical pain. People need empathy and reassurance to make credentialing less painful. Continued diplomacy is needed in to keep members paying their dues and working in harmony in conferences. As a past president of AIH, I can say that time and time again, it was Helen who kept me from becoming buried in details that I

would have never been able to handle and who rescued AIH when I would have led it into a quagmire.

Now Helen Klose is gone from us, but her legacy lives on. The world has 100s of credentialed hydrologists serving people with information and assessments of their water resources at a time when water issues are growing increasingly salient worldwide. We have a cadre of certified hydrologists because Helen was there to get us started.

~ L. Douglas James, Past President

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Helen's passing, I know, was a tragic loss to the staff and all members of the Institute. Her wit, personality, and devotion can never be replaced. But our loss is a gain to all she is now with in That Better Place. We should all be thankful and rejoiceful for the time we had Helen with us.

~ Lee Davis

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Remembering - continued from Page 3

I was certified as a Professional Hydrologist by AIH in 1983. I must have spoken with Helen hundreds of times over the telephone for the past 20 years. Unlike many others that were acquainted with her only through telephone calls, electronic mail, or at the registration desk of AIH conferences, I was fortunate to get to really witness her dedication and energy while serving as a member of the Executive Committee. She single-handedly and meticulously organized almost all of the information related to AIH business in three-ring binders (e.g., agenda, financial matters, status of current membership and new applications, status of AIH publications, newsworthy items, and updates on the annual meeting). After the Executive Committee made decisions on agenda items, it was Helen who reminded all of us to execute action items in a timely fashion throughout the year. On numerous occasions the Executive Committee suggested that she get additional help: she accepted only part-time help grudgingly.

I recently found myself skimming through many email messages I had received from her, including advice on organizing the Annual Meeting in the Raleigh-Durham area in 2000. Her experience level saved AIH a lot of money at these meetings: she was a tough negotiator, always trying to get us the most attractive venue at the best prices. Yet, she accomplished these tasks graciously: her infectious smile and congeniality could disarm even the most intransigent of individuals. AIH has an important international contingent that requires special handling if we are to continue to attract them to our meetings. Helen understood this very well, patiently providing our colleagues abroad with timely information, also reminding the organizers to send letters of invitation that could be used for entry visa purposes. Helen was also invaluable to the editors of Hydrological Science and Technology: executing such unenviable tasks as communicating with all the authors and reviewers, collecting all the peer-reviewed articles for journal publication in the appropriate format, and getting the issues published.

Helen displayed a personal side when you could get her to relax in a social setting. She proudly shared pictures of her children and grandsons, and stories about her family. Of course, her family will always include the American Institute of Hydrology, and we should honor her permanently as we would any dear member of our family.

~ Miguel Medina, Past Vice President
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I am very glad to record that I am one of her great admirers and feel much indebted to her for all her always helpful and friendly responses to my requests for help or information. Sandor Csallany, Alex Zaporozec and young Roman Kanivetsky can give a much more accurate and detailed account of Helen's great work for AIH than I: I only saw her at great conferences (which she seemed to organize, almost single-handed, with great skill and devotion). She seemed to treat each of us with great attention and friendliness, as if we were the only person around. The one exception was her trip to London, some years ago, when (I seem to remember) Sandor had asked her to take a few days off between meetings in Europe. She gave me little notice that she had arranged her stay and her hotel for a few days, and I had no idea if she wanted to see a film or go to the theatre or a concert. All I

recall is that Helen and I went to the National Gallery to see the special collection of a great classical painter then showing, then on to the National Portrait Gallery for lunch and a look around some of the regular portraits, and finally to dinner with my wife. Helen was a charming guest with an ability to show her quiet enjoyment of art and architecture and the odd "hippies" one saw around London. One great impression I remember was that she did not seem to suffer from "jet lag" or fatigue: no doubt a sign of great self-discipline. I was very fond of her and shall always be grateful to her and to the other people who did so much for AIH, and I hope her friends will remember her as she was in the "good old" early days of AIH.

~ Peter Wolf, Professor Emeritus
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Several of us at P.E. LaMoreaux and Associates who knew Helen were saddened by news of her death in January. Her associates, friends, and many members of AIH will miss her great leadership in the society. Over the past 20 years, I have had a number of occasions to work with her and never did she not fulfill every piece of information or need that I had regarding the activities of AIH. It is well deserved and a fine tribute to dedicate the spring issue of the Bulletin to Helen. She will be missed.

~ Phil LaMoreaux

**Be assured, where I am,
The sky is bright and blue
No fear, no pain, just peaceful thoughts,
Stopped in time, but anew
I honestly have no regrets,
On the days that have gone past
But a lifetime of precious memories
In my heart forever will last
A gift of timeless friendships
That filled my nights and my days
Unmistaken devotion,
Kindness in so many ways
The challenges of which I faced,
I change but not a one
I gained the courage and knowledge,
To pass to my daughter and to my son
The fantasies of which I had,
The dreams I wanted to be
In time all came true,
With my special grandsons, three
Please know you are my sunshine,
Your smiles will always be in my heart
For this is not an ending,
But the beginning of a start
Of an eternity of happiness,
Peace, joy and love
Endless whispers of compassion
Now that I am here above
Do shed not one more tear
Feel your sadness no more
I'll be waiting here for you with open arms
At the gates of Heaven's door**

~ Tarii Klose

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U. S. Environmental Protection Agency (EPA) Office of Research and Development (ORD)

EPA's Office of Research and Development (ORD) is establishing new Scientific/Technical (ST) Professional National Program Director (NPD) positions. Highly qualified scientific leaders currently engaged in managing or conducting cutting-edge research in the physical, biological, medical or engineering sciences are sought to lead a cross-cutting ORD research program.

Each NPD is responsible for providing high-level scientific leadership and overall coordination of a research program delineated in ORD Multi-Year Plans (MYP, details online at www.epa.gov/osp/myip.htm). Other responsibilities include representing ORD's research efforts inside and outside EPA and recommending changes in program priorities, resource levels and allocations. Each NPD will be responsible for conducting "state of the art" science in support of the research program. The NPD will typically have received honors and awards from major national organizations for his/her accomplishments, and will serve as a recruiting attraction for those seeking to work under his/her inspiration and guidance. Applicants would be expected to possess graduate degrees, significant research experience, and a national or international reputation in their field.

These are four-year term Scientific/Technical (ST) Professional positions with potential for renewal. The NPD may be based in Washington, D.C., Research Triangle Park, North Carolina, or Cincinnati, Ohio. The minimum rate of basic pay for an ST position equals 120 percent of a GS-15 step 1 rate of basic pay. The incumbent will be responsible for one of the following research programs:

- Air (including Particulate Matter)**
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- Water Quality**
- Contaminated Sites/RCRA**
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- Sustainability**
- Human Health**
- Ecological Protection**
- Global Impacts (including Mercury)**

Applicants should submit a Curricula Vitae and a vision statement for each position of interest to Jayne Ramsey at U.S. EPA/ORD (8101R), 1200 Pennsylvania Avenue, N.W., Washington, D.C. 20460. For more information, please go to http://www.epa.gov/ORD/htm/jobs_ord.htm, or you may contact Jayne Ramsey at (202) 564-6736 or ramsey.jayne@epa.gov.

U.S. Citizenship Required
Applications must be received by April 16, 2004
EPA is an Equal Opportunity Employer

Remembering - continued from Page 4

I first worked with Helen in 1992-3 when AIH hosted the second USA/CIS conference in Washington D.C. I was astounded at her capacity to deal with all of the millions of details that are a part of an international affair. The demands of our CIS guests were nothing short of tremendous and unusual. Helen handled them all with poise and grace. She was instrumental in AIH organizing four highly successful "home and away" conferences with CIS.

Years later I became the President of AIH and had the privilege of working with Helen on a daily basis. Helen helped to organize and run AIH with more fiscal and administrative controls. The members of the Executive Committee set goals and carried out plans that helped to improve the organization. Helen was pleased with the goal-oriented, business-like approach to running AIH. She thrived in the team approach to the operation. Moreover we relied heavily on Helen to keep our team of volunteers on target. Others have already said it, but it is worthy of repeating that Helen had an enormous talent for knowing the members and being able to suggest just the right person for the job at hand. AIH has taken a serious blow with the loss of Helen. We owe it to her long time dedication to AIH to make sure her legacy becomes the foundation for the future success of this organization.

~ G. E. Seaburn, Past President

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Helen Klose had a fantastic sense of humor. When Tim Varney requested a Disney skit at the Orlando AIH meeting, without hesitation Helen called Disney and arranged for Goofy to perform for the AIH members and families. It was well received by all (except Alex).

~ John Moore, Past President

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Thank you for the opportunity to share my thoughts and memories of my good neighbor Helen. She was a lovely, caring, and competent woman whom I shall deeply miss. I didn't know Helen very well until we served together on our condo association board of directors. And even then, she never said much during the meetings--probably because as the board secretary, she was so busy taking the minutes of our often long and lively sessions. But when she did speak, it was in a thoughtful and gentle way--a far cry from some of us--so we sat still and listened. And whenever there were extra duties to perform--many of them not very glamorous--Helen usually stepped forward. And we often didn't know about it until the task was complete. I mean, how much glory is there in upgrading to a new accounting system and training our staff in how to use it? Or helping our new treasurer audit the resulting financial records? Or taking on staff responsibilities while the board searched for a new manager? Or any number of other unsung administrative tasks crucial to running any organization effectively? So when you said "Helen will always be remembered by all of us as the dominate force behind the growth and development of AIH for over 21 years....," I knew exactly what you meant, because she was much the same force for our association. I'm not sure if there is an afterlife, but if Helen is enjoying one, I hope it's by sitting with her feet up, nursing a cool drink, and taking it easy for a change.

~ Joyce R. Sharer, Neighbor

I had the privilege to work with Helen for the last 10 years on the AIH publications. Every contact I had with her was professional yet pleasant and personable. She was thoughtful and caring. It was obvious the incredible love she had for her family and the delight she took in her grandchildren. I will miss her.

~ Jodi L. Ray, Omnipress



We in Oregon had the opportunity to work directly with Helen on two occasions. We were host to the 1992 and 2002 Annual AIH Conferences. It was a pleasure to work with Helen because she was so well organized, knowledgeable, and accommodating. In 2002, our conference planning committee meeting was held during the summer before the Portland conference. We had a very productive meeting planning and organizing for the conference on a warm summer evening in a pleasant, outdoor garden setting, drinking wine and beer and nibbling on cheese and crackers. Helen got all our engines running in the same direction that evening, and we all thoroughly enjoyed the social time. We think Helen was a little partial to our section here in Oregon. Maybe it was because we have such a beautiful state to visit, or we like to think that maybe it was that we had such good interactions with one another. Regardless, if Helen has her way from up on High, we will likely host the conference in 2012. We miss you Helen.

~ The Oregon Section

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It is hard to think of AIH without Helen Klose coming to mind. Helen was one of the foundations of the Institute. Courteous and thorough, she was the facilitator par excellence. I was impressed with her dedication to AIH, friendliness, and professionalism. I shall miss her a great deal.

~ Miguel A. Marino, President Elect

Helen was our institutional memory and more. I first worked with Helen when she came to Portland in 1992 to set up our annual conference here. We got to know one another. Helen was a very personable lady, and after the conference she called me to ask if I would become a member of the Board of Registration. She was a pretty persuasive lady also, and after I acquiesced, she started sending me applications for review. In 1995 she called again with a purpose in mind -- asking if I would consider being Secretary of the Board. Soon after, I was doing secretarial duties. Finally, in 2003 she had me promoted to Chairperson. All this was done through proper channels, proper parliamentary procedure, and with executive approval, but we all knew who was calling the shots. It was just that Helen knew everyone in the organization... and knew where their skills lay. Helen was not the best organized, or the most efficient manager -- she was pretty good, but most of all, she was genuine. She cared about the people she worked for and for the profession of Hydrology.

~ A. Laenen, Chairman of Registration Board

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It was with a sense of a genuine loss that I absorbed the sad news about Helen Klose. I met her for the first time in 1986 in Minneapolis where I joined Dr. Sandor Csallany, assisting him with various consulting projects. Helen and Dr. Csallany were closely associated at that time, both intensely involved in work developing the American Institute of Hydrology. Helen was apparently instrumental in that effort from day one. Helen served the Institute as a Business Manager in charge of the office, documentation, databases, coordinating a multitude of activities, organizing conferences, contacting people, and performing endless many other tasks of which I do not even know. She was doing it all with a dedication far exceeding her limited compensation. She was systematically showing at our Minnesota Section of AIH monthly meetings - Minnesota Hydrological Forum luncheons. I think the Institute and the members owe her a lot for all that hard work.

Occasionally, she would ask me for help. I would send mail to the AIH membership; assist her with the database software, etc. Every time I helped, she would return the favor. She would take my mother, a foreigner, to the Mall of America, or send me a book. She liked my two daughters and every year would send them a postcard from the different places she traveled to. As it often happens, our kids would not pay much attention to it, but my wife and I did. Recently I told my girls that they would not be receiving Helen's postcards any more. I am sure there were many more people like me who received her personal attention. Several years ago during the AIH Conference at San Francisco, Helen introduced me to another young hydrogeologist, Marek Matyjasik from the Weber University, Utah. Since then we have really treasured our contacts. I use this example to illustrate one of the numerous contributions of Helen - she was really good at connecting the many people she knew. Recently Marek called me and we shared a deep sense of regret that Helen is not among us any more. We will always remember her gentle personality, her serene and smiling face, and her warm concern for the people around her despite her own ailments and problems. Our thoughts are with Helen's Family in this time of sorrow.

~ Peter Rzepecki, Minnesota Section of AIH

My memories of Helen go back to my initial membership in the AIH some 20 years ago. She was always there to assist me by phone and even more at the various Annual Meetings that I was able to attend. More recently, as Treasurer of the AIH, I spent considerable time on the phone with her trying to fathom the fiscal issues that go with any non-profit professional organization. Helen gave freely of her busy days to walk me through the income and expense columns, and to this I remain most thankful for such assistance. She will be deeply missed.

~ Robert M. Hordon, Treasurer

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In every organization there are persons who, by virtue of their position or rather personality, are the pillars of the organization. In the AIH, Helen Klose was such a person. Always there, always willing to take an extra step, always pleasant to do business with. I would like to express my deep sympathy at the loss of Helen Klose to her family, relatives, friends, and colleagues.

~ Vojta A. Gregor



Dear Lord:

**Now I lay me down to sleep
I wonder why you picked Ama to keep
Was it her sparkling eyes and caring ways
Or her deep desire for brighter days
Did you need the love I felt from her touch
Cause I am going to miss her hugs and kisses so
much
Each day I remember she always let me know
That I made her happy and brought joy to her so
I miss the warmth I felt as I hung onto her tight
And the special things we'd share when I stayed
overnight
She was patient and kind, giving and true
But I'm sure you know this because now she's
with you
I guess I should thank you for taking her pain
away
I wish we could have had just one more day
I will cherish her always since she was so smart
She showed me unconditional love was in the
center of her heart
Please tell her I love her and thank her for me
For being the best grandma there ever could be**

~ Collin, Nathan, and Nikolas

Registration Form

2004 AIH Annual Conference Integrated Water Resources Management October 17 - 20, 2004

PLEASE CHECK ONE:

AIH Member Non-Member Conference Participant

FULL REGISTRATION:

Includes admission to all conference sessions, final programs proceedings copy, breaks, planned luncheons and receptions.

AIH Members & Participants	\$295 (by 9/15/04)	\$350 (after 9/15/04)	\$ _____
Non-Members	\$325 (by 9/15/04)	\$360 (after 9/15/04)	\$ _____

ONE DAY REGISTRATION:

Includes admission to all conference sessions, final program and breaks on the day for which the participant is registered.

<input type="checkbox"/> Monday	<input type="checkbox"/> Tuesday	<input type="checkbox"/> Wednesday	
AIH Members & Participants	\$150 (by 9/15/04)	\$175 (after 9/15/04)	\$ _____
Non-Members	\$160 (by 9/15/04)	\$185 (after 9/15/04)	\$ _____

STUDENT REGISTRATION:

Includes admission to all conference sessions, final program, breaks and receptions.

AIH Members & Participants	\$25 (by 9/15/04)	\$30 (after 9/15/04)	\$ _____
Non-Members	\$25 (by 9/15/04)	\$30 (after 9/15/04)	\$ _____

ACCOMPANYING PARTNER:

Includes admissions to breaks and Awards Reception (Does not include admission to the conference sessions.)

Name: _____

AIH Members & Participants	\$35 (by 9/15/04)	\$40 (after 9/15/04)	\$ _____
Non-Members	\$35 (by 9/15/04)	\$40 (after 9/15/04)	\$ _____

LUNCHEON FEES FOR ONE DAY, STUDENT, PARTNER/SPOUSE AND GUESTS:

Monday Luncheon	\$25 (by 9/15/04)	\$30 (after 9/15/04)	\$ _____
Tuesday Luncheon	\$25 (by 9/15/04)	\$30 (after 9/15/04)	\$ _____
Wednesday Luncheon	\$25 (by 9/15/04)	\$30 (after 9/15/04)	\$ _____

PROCEEDINGS:

Additional Copies	\$60	\$ _____
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TOTAL AMOUNT DUE:

\$ _____

HOTEL DURING MEETING:

AIH will waive your Membership Application Fee (a \$75 Savings!) For Non-members attending with a Full Registration. Your application must be received at AIH Headquarters within 60 days from date of the conference. Application forms available at Conference Registration desk or Online at www.aihydro.org.

CANCELLATION POLICY:

- Before September 15, 2004 - Registration Fee, less \$50.00
 - Between September 15 to 30, 2004 - 50% of Registration Fee
 - After September 30, 2004 - No refund allowed
- Cancellation must be received in writing at AIH Headquarters by dates

REGISTRATION INFORMATION

Name: _____

Title: _____

Company: _____

Address: _____

City: _____

State, Zip: _____

Country: _____

Phone: _____

Fax: _____

Email: _____

PAYMENT METHOD

Full payment must accompany completed registration form.

Check:

Payment made by check (Only U. S. Dollars, drawn on a U. S. Bank) payable to AIH Conference.

Check No: _____

Purchase Order No: (if applicable) _____

Credit Card: (check one)

Visa MasterCard
 Amex Diner's

Card No: _____

Expiration Date: _____

Card Holder Signature: _____

Date: _____

Please return this completed form with full payment to:



AIH Conference Headquarters
300 Village Green Cir., Suite 201
Smyrna, GA 30080, USA
Tel: (770) 384-1634
Fax: (770) 438-6172
Email: AIHydro@aol.com



American Institute of Hydrology 2004 Annual Conference



Integrated Water Resources Management
October 17 - 20, 2004



Abstracts

Speakers can submit an abstract of not more than 250 words. Authors of papers are encouraged to submit manuscripts electronically either by email attachment or on a CD. *Microsoft Word* format is preferred.

Abstracts must be sent no later than **May 31, 2004**. Details for manuscript preparation can be found on the AIH web page at: <http://www.aihydro.org/instructions.htm>.

Exhibits

Exhibit booths and tabletop displays will be located in conjunction with poster presentations and break refreshments. This will guarantee direct access to the professionals who are actively employed in the field of hydrology. These professionals come from industry, academia, consulting firms, government agencies, and commercial industries. For information on displaying your product or service at this conference, please contact the AIH office directly at **770-364-1634** or send an email to AIHydro@aol.com.

Short Courses

The organizing committee is soliciting proposals from individuals or organizations who wish to put on short courses that are related to the theme of the conference. Those courses can be from 4 to 8 hours in length and will take place either on Sunday, October 17 or Thursday, October 21. Anyone interested in presenting a short course should send a proposal to AIHydro@aol.com by **May 31, 2004**, with a general description of the contents of the course, length, cost (i.e. what would the presenter charge per student), minimum and maximum number of students, preferred day to hold the class, and contact's name, email and phone number.

Conference Venue

The conference will be held at **Alexis Park Hotel** located at 375 East Harmon, Las Vegas, Nevada 89109. A block of rooms has been reserved at a conference rate of \$79 per night. Reservations must be made no later than **July 10, 2004** by calling **1-800-582-2228**. Please indicate that you are participating in the AIH Annual Conference. Information on the Alexis Park Hotel may be obtained at:

<http://www.alexispark.com>.

Award Nominations Needed

AIH award Committee is soliciting nominations for the 2004 **R. K. Linsley Award** for a major contribution in the field of surface-water hydrology, the 2004 **C. V. Theis Award** for a major contribution in the field of ground-water hydrology, and the 2004 **AIH Founder Award** for outstanding, long and dedicated service to the Institute. These awards will be presented at the 2004 Annual Conference at the Alexis Park Resort & Spa in Las Vegas, October 18-20, 2004.

Please submit your nominations to the AIH Office at: AIHydro@aol.com by **May 31, 2004**.

Newly Certified Professionals for 2004

Name	Certificate No.
Adam Walden LA County Dept. of Public Works Alhambra, CA	04-H-1600
Matthew Boyd Carollo Engineers, Portland OR	04-H-1601
Khalidou M. Ba Professor Universidad Autonoma del Estrado de Mexico Toluca, Mexico	04-H-1602
Robert J. Billings Mecklenburg County, Charlotte, NC	04-H-1603
Ismailova Mehriban Movsym Azerbaijan State Oil Academy Baku, Azerbaijan	04-HG-1604
Gary M Mryncza KCI Assoc., Raleigh, NC	04-H-1605
Yusif Israfilov Head of Laboratory; Institute of Water Backu, Azerbaijan	04-HG-1606
Ramiz Mammador Head of Hydrogeology and Eng. Geology Group Institute of Water-Objects Design Baku, Azerbaijan	04-HG-1607
Eldar Azimov Head of Hydrogeology and Eng. Geology Group Institute of Water-Objects Design Baku, Azerbaijan	04-HG-1608

Book Reviews

Water Resources Engineering: *Handbook of Essential Methods and Design*

by Anand Prakash

This new book provides practical methods to solve the water resources problems you encounter every day. Includes 90 real-world hydrologic and hydraulic problems and their answers, worked out in detail, derived from commonly used formulas and equations

From ASCE Press

Domestic List: \$99.00 USD (Members \$74.25 USD)

International List: \$118.80 (Members \$89.10 USD)

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Coastal Aquifer Management Monitoring Modeling Case Study

by Alexander H. D. Cheng (University of Mississippi)
Driss Ouazar (Univ. of Mohammed V, Morocco)

Approximately 70% of the world's population lives in coastal areas, and the majority of these people depend on coastal aquifers for freshwater. The fragility of these aquifers and their sensitivity to human activity demand informed, competent management to guarantee their survival. Significant knowledge and new technologies related to the subject have accumulated in the last two decades, and a need has emerged for a comprehensive reference that gathers and disseminates crucial information to engineering practitioners and policymakers.

This book provides the most advanced and up-to-date methods and tools for the study and protection of coastal aquifers. This "how-to" volume presents a worldwide perspective with contributions from an international panel of experts. They address topics such as geohydrology, optimization, uncertainty analysis, and GIS as they relate to geographically-specific case studies; knowledge from these examples can be applied to aquifer issues in other regions.

A companion CD-ROM supplements the text with programs and graphics, making this overview an indispensable reference and tool for the analysis of critical freshwater resources.

From CRC Press

List: \$129.95 USD

Job Postings

AIH will post job opportunities for hydrologists nationwide on our website. Each posting will be listed until filled, but not longer than six months, free of charge. Due to limited resources, AIH will not post resumes of candidates looking for positions. AIH reserves exclusive rights to limit or exclude any postings, and we reserve the right to edit or modify for conciseness, any text or graphics submitted for posting.

Candidates looking for positions should check our website weekly. There are new opportunities added each week.

www.aihydro.org

New listings

.....

- **Senior Drainage Engineer in Orlando**

See www.aihydro.org or www.hntb.com

.....

- **Senior SW Hydrology and Hydraulics Engineer**

See www.aihydro.org or email Chris Hallard at challard@allenaustinsearch.com

.....

- **FERC Solicits Potential Panel Members**

The Federal Energy Regulatory Commission (FERC) has issued a notice requesting applications from those interested in being listed as potential panel members to assist in the Commission's study dispute resolution process for the integrated licensing process for hydropower projects, Docket No. AD04-4-000.

Complete details are located on the Commission's hydropower website:

www.ferc.gov/industries/hydropower/indus-act/ilp.asp

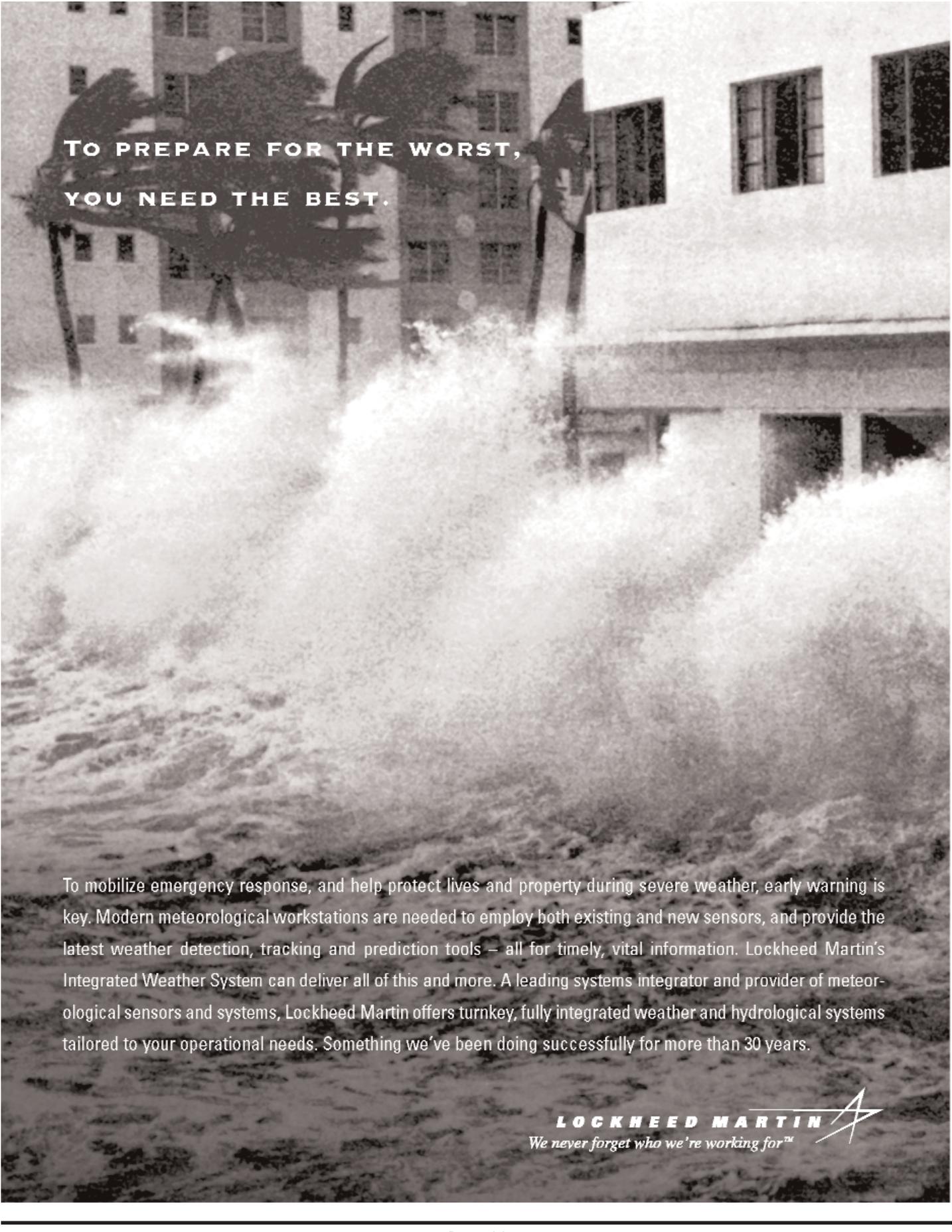
For further information, contact Mr. Lon Crow at (202) 502-8749 or lon.crow@ferc.gov.

We are looking for Lost Members

AIH has lost track of several members and need your help to locate them. They may have graduated, retired, married, changed jobs, or moved and just did not think to let us know. We want to "hook-up" again. If you know the whereabouts of any of the members listed below, please email us at AIHydro@aol.com with an address, telephone number or email address of our missing colleague. Thanks for your help.

Bartelmann, Monika
Karlesky, Sharon
Gubala, Chad
Martel, GERALYN
Fretwell, Marvin O.
Mitchell, Thomas L.
Waichler, Scott R.
Tangborn, Wendell

Iverson, Justin T.
Markey, John R.
Guerrink, Jeff
Toma-Sweet, Rashawn
Khorzad, Kaveh
O'Hare, Michael S.
Wester, Melissa M.



**TO PREPARE FOR THE WORST,
YOU NEED THE BEST.**

To mobilize emergency response, and help protect lives and property during severe weather, early warning is key. Modern meteorological workstations are needed to employ both existing and new sensors, and provide the latest weather detection, tracking and prediction tools – all for timely, vital information. Lockheed Martin's Integrated Weather System can deliver all of this and more. A leading systems integrator and provider of meteorological sensors and systems, Lockheed Martin offers turnkey, fully integrated weather and hydrological systems tailored to your operational needs. Something we've been doing successfully for more than 30 years.

LOCKHEED MARTIN 
We never forget who we're working for™



Look for the 2004 Annual Meeting program and International Conference on our website: www.aihydro.org and press the meeting button

Remember the Alamo

Did you know that AIH receives a commission for all member rental of vehicles through Alamo Rent a Car? A 24-hour reservation is required and can be made by calling **1-800-354-2322** and request your membership ID No. as **93394** with the rate code **BY**.

AIH Member Registry

The 2003 and 2004 issues of the Registry will be published as a combined issue in 2004. We need to have your current affiliation or company, work address, telephone and fax number, and your current email address.

AIH Office Relocated

Please note following changes to AIH Office information:

American Institute of Hydrology
300 Village Green Circle, Suite 201
Smyrna, GA 30080
Tel: (770) 364-1634
Fax: (770) 438-6172

Nominate a Member for Leadership in AIH for 2005-2006

AIH is now accepting nominations from the membership-at-large to serve as an officer for the 2005-2006 term of office. The offices that must be filled include

- **President-Elect (will assume the office of President in the subsequent term)**
- **Vice President for Academic Affairs**
- **Vice President for Institute Development**
- **Vice President for International Affairs**
- **General Secretary**
- **Treasurer**

If you would like to nominate a member for one of the open offices, please send the name of the individual, along with the suggested office and a brief statement (4-5 lines) indicating why the individual would make a good candidate. Send the information to AIH by email at: AIHydro@aol.com or by mail at **300 Village Green Circle, Suite 201, Smyrna, GA 30080**. The Nominations Committee will evaluate all names submitted. Your nomination must be received at AIH by **May 5, 2004**.