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Summer 2006



Henry R. Hegner

## Director's Message

By Henry (Hank) R. Hegner

Hello again. This is my last Summer ISA Water and Wastewater Industries Division (WWID) newsletter to all of our WWID members. The WWID had a successful 2005. See the 2005 I & S Department WWID Annual Report and the Guidelines for an Active and Inactive Division.

As a member of the ISA Society Honors and Awards (H&A) Committee and former chair of the Admissions Committee, I encourage you to consider nominating a friend or associate for an ISA Society H&A or Fellow grade. An article is included in this newsletter on the ISA H&A technical and service awards. The bylaws change to Fellow grade requirements was approved at the ISA Fall Leadership Meeting (formally President's Fall Meeting) in October 2004, Houston, Texas, and it is included in this newsletter.

A variety of articles are also included in the newsletter from Steve Valdez, Director-Elect, Dan Evans, Director-Elect-Elect, Paul Lanzillotta, Membership Chair, and Tom McAviney, Standards & Practices Chair.

I urge all members, if possible, to attend ISA EXPO 2006 and visit the exhibits and WWID technical sessions discussed in this newsletter. The WWID will be programming technical sessions and have a joint luncheon with the Automatic Control Systems Division on Wednesday 18 October 2006 in Houston, Texas. We also have a number of vacant and support WWID board

positions available, including Webmaster, Associate Director, Program, Symposium, Historian, H&A, Publicity, Marketing, Education, and Technical Paper Review. Please consider volunteering for these or other support positions by contacting me at (540) 721-2114, fax (540) 721-1648 or by email: hrhegner@earthlink.net Steve Valdez, Dan Evans, and I will need "help" in 2006 and 2007 to complete Plans for Accomplishment and Areas for Improvements in the attached 2006 and 2007 WWID Division Business Plans.

Remember, the WWID board continues to remind you that through your efforts WWID members support one of the planet's most precious and critical resources, "WATER". Therefore, you should be proud of what you do, as well as your association with WWID. I look forward to meeting with you at ISA EXPO 2006.

## 2005 I&S Department WWID Annual Report

By Henry (Hank) R. Hegner, Director

I said hello again on the website to all ISA Water and Wastewater Industries Division (WWID) members. The WWID had another successful year in 2005. This 2005 I & S Department WWID annual report will be included in the WWID website and in the 2006 WWID summer newsletter.

I attended the 2005 Spring Leadership Meeting (formally the President's Spring Meeting) in Portland, Oregon. At the SLM, I held a WWID meeting and participated in the Board of Department Vice presidents (VP) dialog, New Venture Investment Committee meeting, General Opening session, ISA EXPO Technical Conference Committee meeting, Technical Awards Subcommittee meeting, Honors & Awards (H&A) Committee meeting, Admissions Committee meeting, Division Leaders Orientation workshop, Joint A & T and I & S Advisory

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**2005 I&S Department WWID Annual Report,**  
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Board meeting, Joint A & T and I & S Department meeting, Officer Search Committee (OSC) meeting, Joint Aerospace Industries and Test Measurement Division meeting, General Closing session, and Board of Department VP meeting.

I also attended the 2005 Fall Leadership Meeting (FLM), formerly the President's Fall Meeting, and ISA EXPO 2005 in Chicago, Illinois. At the PFM, I held a WWID meeting, and participated in the Executive, District, and Department Boards preview session, H&A Committee meeting, Joint A&T and I&S Department meeting, Board of Department VP meeting, OSC meeting, Fellows luncheon, Society H&A banquet, and the Joint A&T and I&S Department awards luncheon at ISA EXPO 2005. At ISA EXPO 2005, I also held a WWID luncheon and chaired a "Advanced Asset Management Tools" and "Case Studies in Asset Management" technical paper sessions.

As a member of the ISA H&A Committee and former chair and member of the Admissions Committee, I encouraged WWID members to consider nominating a friend or associate for an ISA Society H&A or Fellow grade. An article was included in the 2005 WWID summer newsletter and the 2006 WWID website on the ISA H&A technical and service awards. The bylaws change to Fellow grade requirements was approved at the ISA PFM in October 2004, Houston, Texas, and it was also included in the 2005 summer newsletter and the 2006 website.

I urged all members to attend the 2006 Automation West conference and ISA EXPO, as well as visit the exhibits and WWID technical sessions. The WWID will be programming four (4) technical sessions and have a luncheon at ISA EXPO 2006 in Houston, Texas.

The WWID still has a number of vacant and support board positions available. In particular, we need a "Webmaster" to update our website, and Joe Provenzano will need support in the WWID programming at the ISA Automation West conference and ISA EXPO 2006. I requested in the 2005 newsletter and on the 2006 website that volunteers for these positions contact me. I also mentioned that Steve Valdez, Director-elect, and Dan Evans, Director-elect-elect and I will need "help" in 2006 to complete "**Plans for Accomplishment and Areas for Improvements**" in the 2006 WWID Division Business Plan in the 2005 WWID summer newsletter.

I continued to remind WWID members that through their efforts they support one of the planet's most precious and critical resources, "WATER". Therefore, a member should be proud of what they do, as well as their association with WWID. I mentioned that I look forward to meeting with WWID members at ISA Automation West 2006 conference and ISA EXPO.

The WWID had a successful 2005 in continuing to improve service to its membership, and to improve its guidelines for an active and successful division within the I & S Department. The WWID improved its division member services and operations. See the 2005 Division Member Service Performance Data form, 2006 Business Plan, and 2006 Budget. A summary of the primary WWID 2005 activities follow:

- Supported Division services
- Prepared detailed summer newsletter on website

- Supported programming
- Programming and chairing technical sessions at ISA EXPO 2005
- Supported Section/Division liaison activities
- Provided Division website information
- Provided Division report submittals
- Submitted nominations for society officers
- Supported Division organization

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## **WWID Membership Report-June 2006**

### **Paul Lanzillotta, Membership Chairman**

Hello WWID members and guests! I am pleased to report that the Division is strong and healthy. Over the past 10 years, membership in the Division has mirrored the fluctuations of ISA as a whole. There have been significant increases in some years, with smaller reductions in others. What is positive, however, is the fact that WWID membership increased from 3 to 5 percent of total ISA membership during this period, and has remained at 5 percent, even during the declining trend periods. This is great news, which attests to the interest that WWID draws.

There are many benefits to belonging to WWID, including access to ISA standards, special application papers and articles, and educational forums covering topics specific to water treatment applications. We had a great symposium in 2003. Another one is planned for 2007. Pass the word along to your water and wastewater colleagues as to how WWID and ISA can enhance their knowledge and professionalism. There has been much data published that shows the increasing need for improvements to water and wastewater infrastructure over the next 20-50 years. As our professional services will be in demand, we can be prepared to offer our best abilities by sharing our knowledge base with each other. ISA and WWID are a superb vehicle for doing so. We're looking forward to seeing you at our events.

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## **2006 WWID Division Business Plan**

### **A. Plans for Accomplishment**

1. Symposium & Conference Programming
  - ISA Automation West Conference
  - ISA ASD/TMD International Instrumentation Symposium (IIS)
  - ISA EXPO 2006
2. Publications & Communications
  - Summer Newsletter (Content)
  - Division Director and Director-Elect Messages
  - ISA EXPO 2006 Program
  - WWID Division Luncheon Information
  - ISA Fellows Award Information
  - ISA Honors & Awards Information
  - Three (3) Technical Papers/Articles
  - WWID Division Board of Directors List
  - WWID Email List
  - WWID Web site
  - American Water Works Association (AWWA) Products & Events

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**Business Plan, continued from page 2**

3. Membership & Membership Services
  - Summer Newsletter
  - New Member Welcome Letters
  - Certification Program Information
4. Honors & Awards Recognition
  - Society Officer Nominations
  - Fellow Member Nominations
  - Technical Award Nominations
  - WWID Member Awards
  - Student Scholarship
5. Meetings
  - Spring Leadership Meeting & Fall WWID Meetings (SLM & FLM)
  - Standards Meetings (SLM & FLM)
  - Cooperation with Machinery Failure Prevention Technology (MFPT) Society
  - Director and/or Director-elect Participation in SLM & FLM Meetings
  - Sponsorship of MFPT Society Meetings
6. Education & Training
  - Certification Program Training Information in Newsletter
  - Technical Papers and Articles in Newsletter
  - Division Officer Training at PSM
  - WWID Training at MFPT Meeting
7. Standards & Practices
  - Standards Committee Review and Preparation of WWID Related Standards

8. Leadership Development
  - WWID Officers Participation in PSM Training Seminar
  - WWID Division Roster Filled
9. Special Projects
  - Update WWID MOP
  - Plan 2nd WWID Symposium
  - Award Student Scholarship

**B. Areas for Improvements**

1. Weaknesses
  - Only Free Technical Papers and Articles to Members in Newsletter
  - Participation in ISA Endowment Foundation
  - Award of Student Scholarships
  - Member Email List
  - Section Programming
  - WWID Recommended Reading List
2. Plans for Correction
  - Offer Free Papers/Books/Proceedings in Newsletter
  - Participate in ISA Endowment Foundation
  - Award Student Scholarship
  - Update Email list and use it
  - Program at Section Meetings
  - Prepare Recommended Reading List
3. Objectives
  - The 2006 primary plans for accomplishment and areas for improvements are provided in A, B1 & B2 above.

Respectfully Submitted,  
*Hank Hegner*  
*WWID Director*

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## ISA Society Honors & Awards

One of the best ways to honor your Instrumentation, Systems, and Automation (ISA) peers is to nominate them for an ISA society award. ISA has a number of awards to offer both for technical contributions to the ISA world and for service to the society. Each year some awards are not presented. It is not because of the lack of qualified people, but because of the lack of nominations. Nominations will be due the first part of 2006. Therefore, take some time and think of someone you know who is deserving of ISA recognition, and then, nominate them. Go to [www.isa.org](http://www.isa.org) and look under "Members & Leaders: Honors & Awards" for more information and nomination forms. Also, attend the Honors and Awards Banquet at ISA EXPO 2006 in Houston, Texas.

Technical and Service Awards available include:

### TECHNICAL AWARDS

**Douglas H. ANNIN Award:** The award is open to any person. It recognizes an outstanding achievement in the design or development of an automation control system from the input measurement through the final control element.

**E.G. BAILEY Award:** The award is open to any person. It recognizes excellence in the design, development, or application in instrumentation and control systems in the utilities or process control industries.

**Arnold O. BECKMAN Founder Award:** The award is open to any person. It recognizes a significant technological contribution to the conception and implementation of a new principle of instrument design, development, or application.

**Donald P. ECKMAN Education Award:** The award is open to any person. It recognizes an outstanding contribution(s) toward education and training in the science, engineering, and technology of instrumentation.

**Kermit M. FISCHER Environmental Award:** The award is open to any person. It recognizes an outstanding achievement in the conception, design, and/or implementation of an application of instrumentation and/or automatic control in the field of environmental science.

**Albert F. SPERRY Founder Award:** The award is open to any person. It is the Society's outstanding achievement award and recognizes an outstanding technical, educational, or philosophical contribution to the science and technology of instrumentation.

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**Standards & Practices Award:** This award is open to ISA Members only. It recognizes an outstanding contribution to the Society's Standards and Practices effort. This award is presented to recognize and stimulate individual accomplishments and contributions to Standards and Practices in instrumentation.

**UOP Technology Award:** This award is open to any person. It recognizes an outstanding achievement in the conception, design, or implementation of instrumentation and/or process control in an area of activity covered by the scope of the Society's Automation & Technology Department.

## SERVICE AWARDS

**Honorary Member:** Honorary membership is the highest honor bestowed by the Society and is reserved for individuals (Members or Nonmembers of the Society) whose support of, and/or contributions to, the advancement of the arts and sciences of instrumentation, systems, and automation are deserving of this special recognition.

**Distinguished Society Service:** This award recognizes Society Members who have at least fifteen (15) years of accumulated, devoted service and contribution to organizational units of the Society and its Members.

**Golden Achievement:** The award is open to any Member, any grade. It recognizes long and continuous dedication to the Society and its ideals.

**Life Achievement:** The award is open to any Member, any grade. It recognizes individuals with a history of dedication to the instrumentation, systems, and automation community.

**Don W. Thompson:** The award is open to any person. It recognizes exemplary efforts and achievements to encourage and support Student Activity and to Mentor Students.

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## Guidelines for an Active and Inactive Division

### Active Division

1. Publish at least one newsletter per year. If the Division produces only one newsletter, it should be prior to ISA EXPO. The minimum Division director newsletter/web page input shall include the following:
  - Directors message for posting on the Division web page summarizing all significant Division activity at ISA EXPO. Include a look forward to future Division plans including sessions planned for the next year's ISA EXPO.
  - A significant technical article for posting on the web page.
  - Maintain up to date roster of Division officers, as required under item 2 below, for posting on the Division web page.

2. Maintain a slate of officers
  - Director
  - Director Elect
  - Newsletter Editor and/or Webmaster
  - Program Coordinator, the Director and Elect can serve in this position if needed.
3. Program at least one session for the annual ISA EXPO.
4. Officers participate in at least one president's meeting per year.
5. Prepare an annual business plan and budget.
6. Produce an annual report. This should be submitted prior to the Spring Leadership Meeting, (SLM) and it helps in the consideration for Division performance awards.
7. Produce content for your Division web page, including at least two (2) director's messages per year.
8. Roster of at least 100 dues paying members.

### Inactive Division

1. After a two-year period of not achieving the above goals, a Division shall be declared inactive.
2. The Facilitator of an inactive Division shall inform the Division members of the inactive status and request volunteers to assume officer positions. A generic newsletter shall be produced requesting leaders.
3. At the discretion and assignment of the I&S Department VP, the inactive Division shall become a committee of an existing active Division.
4. If the committee continues to be viable, a Division meeting the above criteria could be reformed. After a two-year period as an inactive committee, the Division, of which it is a part, may disband the committee.

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## ISA Bylaws Change

The Council of Society Delegates controls the general policies of the Society through its powers to nominate and elect officers, to amend the bylaws, and to review the annual report of officers. Society Delegates fulfilled these duties when they met in Houston on 4 October 2004. The Council voted on an amendment to the ISA bylaws that deals with ISA Fellow requirements.

Because Members sometimes question the requirements for Fellow Grade, particularly the five years as a Senior Member requirement, the Admissions Committee that recommends to the Executive Board which members should be admitted as Fellows decided on a full review of all requirements. The most significant change is requiring a Member be Senior Grade for an unspecified time. In current practice the nominee must have been an ISA Senior Member for at least five years.

The requirement of five years as a Senior Member prior to election to Fellow Grade has been a stumbling block for otherwise qualified Fellow candidates. The key to election has been, and will continue to be, possession of outstanding and acknowledged engineering or scientific attainments in a field related to Society objectives. The Admissions Committee determined that years-in-grade as a Senior Member does not impact one's engi-

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## *WEBMASTER*

### **Vacant**

## *Bylaws Change, continued from page 4*

neering or scientific accomplishments and shouldn't become a barrier to consideration for Fellow Grade.

You must be a Senior Member to hold a society level office, including District or Department Vice President, Society President, Treasurer or Parliamentarian. For Members attuned to the various levels of membership, they reflect career progression and level of expertise. ISA encourages Members to anticipate the next level of membership and apply for upgrade when applicable. To become a Fellow, you will need a nomination from another Member to assure your peers are recognizing you for your contributions.

The revised bylaws change is as follows:

### What's a Fellow?

A Fellow is a Senior Member who meets the following criteria and has been elected by a majority vote of the Executive Board of the Society:

- Possession of outstanding and acknowledged engineering or scientific attainments in a field related to Society objectives;
- Senior Membership in the Society;
- Membership in the Society for at least five years;
- At least ten years of active work in a field related to Society objectives
- Nomination by a Society member;
- Recommendations by a minimum of five members of Fellow, Life Fellow, or Honorary Member classes or alternatively, a combination of nine members of Senior, Fellow, Life Senior, Life Fellow, or Honorary Member classes; and
- A recommendation of election by the Society Admissions Committee.



Founded in 1945, ISA ([www.isa.org](http://www.isa.org)) is a leading, global, nonprofit organization that is setting the standard for automation by helping over 30,000 worldwide members and other professionals solve difficult technical problems, while enhancing their leadership and personal career capabilities. Based in Research Triangle Park, North Carolina, ISA develops standards; certifies industry professionals; provides education and training; publishes books and technical articles; and hosts the largest conference and exhibition for automation professionals in the Western Hemisphere. ISA is the founding sponsor of the Automation Federation ([www.automationfederation.org](http://www.automationfederation.org)).

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