



ISA Water & Wastewater Division Newsletter-Summer 2004

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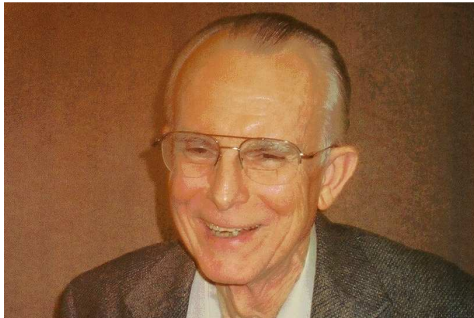
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DIVISION DIRECTOR'S MESSAGE



By Hank Hegner, Director, Water & Wastewater Division

Hello to all of our ISA Water and Wastewater Industries Division (WWID) members. As you may know, Dan Evans had to resign as the 2004 WWID Director, and I would like to thank Dan for his efforts as Director-elect and support as past director. I am the WWID Facilitator, and I have agreed to be the director. Joe Provenzano has become the 2004 Automatic Control Systems (ACOS) Division Director. He completed his very successful tenure as our WWID Director in December 2003. In particular, I would like to thank Joe and the other officers and associate directors for what they have accomplished in 2003 and 2004, including the first 2003 Water and Wastewater Instrumentation Symposium, 2003 and 2004 ISA EXPO technical programming, and technical paper and tutorial sessions at the 2004 Automation West Conference.

I would also like to thank the officers, associate directors and members for all their efforts in WWID being named the 2003 Industries and Sciences (I&S) Department Most

Improved Division. I, along with Director-elect Steve Valdez, are looking forward to working with WWID officers, associate directors and members to continue the successful accomplishments of the division.

As a member of both the ISA Society Honors and Awards (H&A) and Admissions Committee, I encourage you to consider nominating a friend or associate for a ISA Society H&A or Fellow grade. Articles are included in this newsletter on the ISA H&A technical and service awards and the proposed bylaws change to Fellow grade requirements for the ISA Delegates to consider at the Council of Society Delegates meeting at the ISA President's Fall Meeting in October 2004, Houston, Texas.

I urge all members, if possible, to attend the 2004 ISA EXPO and visit the exhibits and WWID technical sessions. The WWID will be programming technical sessions and have a luncheon on Wednesday 6 October 2004 in Houston.

We also have a number of vacant WWID board positions, including treasurer, historian, H&A, publicity, section/division liaison, education & training and technical paper review. Please consider volunteering for these positions by contacting me at (540) 721-2114, fax- (540) 721-1648 or by email: hrhegner@aol.com.

Remember, as Joe Provenzano continued to remind you that through your efforts WWID members support one of the planet's most precious and critical resources, "WATER". Therefore, a member should be proud of what you do, as well as your association with WWID. I look forward to meeting with you at 2004 ISA EXPO.

Hank

WWID PROGRAMMING AT ISA EXPO 2004

Get an advance look at your Division's sessions, plus what is planned for all other programming Divisions. The [Technical Conference](#) will run 10:00-5:15 on Tuesday October 5 and Wednesday October 6, and 10:00-3:30 on Thursday October 7.

WWID LUNCHEON

Attention WWID Division members!!!

Mark your calendar and sign up for your ISA Division Luncheon...ISA 2004

Join your friends and fellow Division members for some sociability and to discuss important issues related to your technical field in all its aspects, and to enjoy a lunch of

Traditional Caesar Salad

Garden Crisp Romaine, Parmesan Reggiano,
Homemade Croutons with a Sweet Garlic Caesar Dressing

Rosemary French Cut Chicken Breast

Served Over Herbed Mashed Potatoes
Grilled Asparagus and Heirloom Tomato Garnish

Fresh Seasonal Berries and Zabaglione
Fruit Parfait with Layers of Farm Harvested Berries in a Creamy Custard Sauce

Wednesday, 6 October 11:30 AM

Sign up at <http://www.isa.org/rd.cfm?id=4976> or contact ISA Customer Service at 919-549-8411

PROPOSED ISA BYLAWS CHANGE

Fellow Grade Requirements

SUMMARY

Because the requirements for Fellow Grade, particularly the five years as a Senior Member requirement, have been questioned in recent times, the Admissions Committee determined that a full review of the requirements was in order. Culmination of the review is the Bylaws change below. The most significant change is requiring Senior Grade but for no specified amount of time.

PROPOSED BYLAWS CHANGE

RESOLVED: that Bylaws Article IV, Section 3, paragraph d, item i be amended to add “in a field related to Society objectives” following the words “scientific attainments”; that a new item ii be inserted to read “Senior Membership in the SOCIETY,” renumbering subsequent items as appropriate, and that newly renumbered item iii be amended to strikeout the word “Senior”.

Article IV, Section 3

d. The revised Bylaws would read (eliminations, insertions):

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

- i. Possession of outstanding and acknowledged engineering or scientific attainments in a field related to Society objectives.
- ii. Senior Membership in the SOCIETY.
- iii. Senior Membership in the SOCIETY for at least five years.
- iv. At least ten years of active work in a field related to SOCIETY objectives.
- v. Nomination by a SOCIETY member.
- vi. 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
- vii. A recommendation for election by the SOCIETY Admissions Committee.

Q. The process has been in place for a long time. Why make a change?

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 do not impact your engineering or scientific accomplishments and should, therefore, not become a barrier to consideration for Fellow Grade.

Q. How will simply requiring Senior Grade for candidates be helpful?

Members do not give much thought to Senior Grade until there is a need for it. For instance, one must be a Senior Member to hold a society level office; for example, District or Department Vice President, Society President, Treasurer or Parliamentarian. Likewise, Members often don't consider Senior Grade until they think about being a Fellow candidate. They may have been a Member for many years but were too busy working on important projects to bother to upgrade to Senior. Then, when a Member wants to nominate them for Fellow, they don't meet the five-year Senior Member requirement. The Admissions Committee supports a continued focus on the accomplishments of Fellow candidates rather than being distracted by the number of years someone has been a Senior Member.

Q. Why bother with Senior Grade; why not allow progression from Member to Fellow?

The Admissions Committee believes that every level of membership from Student through Honorary Member is important. For those attuned to the various levels of membership, they reflect career progression and level of expertise. ISA Members are encouraged to anticipate the next level of membership and apply for upgrade when applicable. Fellow Grade requires nomination by another member. This helps assure recognition of those acknowledged by their peers to have accomplishments worthy of recognition.

Q. Why require that a Fellow candidate be an ISA Member for five years?

Membership is an expression of support for the objective of the Society to advance and to reinforce the arts and sciences related to the theory, design, manufacture and use of instrumentation, computers and systems for measurement and control in the various sciences and technologies for the benefit of mankind. ISA has learned that a Member who maintains membership for five years generally continues that membership for the length of their career. It is hoped that ISA Fellows will continue their involvement with ISA for many years to come.

ISA 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 2005.

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 and look under “Members & Leaders: Honors & Awards” for more information and nomination forms. Also, attend the Honors and Awards Banquet at ISA EXPO 2004 in Houston.

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.

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.

TECHNICAL PAPER – “INTRUSION DETECTION & CYBERSECURITY MONITORING OF SCADA & DCS NETWORKS”

Governments and industry organizations, including ISA, have recognized that Supervisory Control and Data Acquisition (SCADA), Distributed Control Systems, and other process control networks are potential targets of attack from hackers, disgruntled insiders, cyber terrorists, and others who want to disrupt the critical infrastructure. [Read](#) how current intrusion detection and cybersecurity monitoring products and services used in IT enterprise networks can provide early identification from the most common threat agents.

TECHNICAL PAPER – “ENABLING NETWORK CONNECTIVITY WITH TODAY’S WIRELESS TECHNOLOGY”

Process industries are constantly being challenged to improve quality, reduce costs, and increase efficiency. In order to meet these challenges, plants require greater amounts of information, obtained faster, and delivered to or accessed from numerous locations. Today’s wireless technology enables an extensive range of connectivity solutions for both the simple and complex network topologies used in industrial automation. [Learn](#) about the features and capabilities of industrial wireless technology and its ability to connect multiple platforms, applications, and protocols over an integrated infrastructure.

MEET YOUR WWID DIVISION BOARD

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