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Coming Events

- Awards Dinner Meeting
Monday, May 31st, 1999
Sarnia Golf & Curling Club
- Sarnia ISA Golf Tournament
Friday, June 11, 1999
St. Clair Parkway
7:30 a.m. Tee Off

The Sarnia Section now has a new domain on the internet. Next time you're on the net give us a look at:
www.isasarnia.com



President's Address

Well, as the final section dinner meeting of the year approaches, I must give a commendable thanks to my executive and the individual committees which have carried our section through another successful year. We have achieved the majority of our goals and plans.

We completed our first Directory, reworked our Annunciator, participated in Engineering Week, the Science Fair and all the President's Meetings. We successfully organized another Sarnia Section Show which was a sold out success; participated in a District Workshop and ran another golf tournament. We have our own ISA Sarnia website and a well run student section. Our educational courses and seminars are second to none with overwhelming success. We are financially secure and are viewed as a very successful Section. We are an envy to many.

Last but not least, I would like to thank you the members. Your participation and cooperation are what makes us a sound Section. Your comments and concern are what keeps us flourishing and your interest in higher levels of technology and excellence

is what makes us perform to a continued high level. We enjoy success and strive to achieve it.

The District Workshop in Montreal was viewed as an overwhelming success. All eight section of District 13 were represented, including the Laval-West Island Formative Section. Perry Grady represented the Executive Committee, while Bill Palmer and George Davis represented ISA staff.

The following topics were represented and discussed: ISA in the 21st Century; students sign'em and keep'em; parliamentary procedures; conducting effective meetings; member services plan; tabletop shows; synergy forum; on-line training programs; ISA on-line personal; redistricting and intellectual property. The next District Workshop will be in Toronto on May 6 & 7, 2000.

I look forward to seeing you at the awards dinner and if not, have a safe summer.

Thank you,

Mike Murray



Now Available!

The New Sarnia ISA Directory is now available.

Call (519) 332-2300 for details.



SARNIA SECTION
ISA Directory of 1999
Instrumentation



ISA is the international society for measurement and control

Lambton County Science Fair

Judging was made by ISA for projects that contained elements of measurement and or control within their projects.

A cheque for \$600 was presented to the Lambton County Science Fair Committee on behalf of the ISA Sarnia Section. The Science Fair would then present a cheque for \$50 to each project group winner. If the project group has two people working on it the would receive \$25 each and if there was only one person on the project he/she would receive \$50. The Science Fair committee made the presentation on our behalf on Saturday, April 17 at 2:00 p.m.

The winners were...

JUNIOR DIVISION

Diana Ferrera

Gregory A. Hogan School
"Thermal Expansion of Liquids"

Anik Forristal

Gregory A. Hogan School
"A Simple Step to Fresh Water"

Shannon Stickley &

Brianne Kennedy

Gregory A. Hogan School
"pH on your Face"

SENIOR DIVISION

Paul Miseiko

St. Patrick's High School
"Production and Transportation of Energy"

Ying Choo

Northern High School
"Y2K Check"

Lindsay Baars

St. Patrick's High School
"Listening Lights"

AWARDS DINNER MEETING NOTICE



Monday, May 31, 1999

SARNIA GOLF & CURLING CLUB
500 Errol Road West, Sarnia • Phone: (519) 336-2201

Cocktails 6:00 p.m. Dinner 7:00 p.m.

All Guests are Welcome!



Guest Speaker...

JOHN DEGROOT, Degroot's Nurseries "COLOUR, COLOUR, COLOUR"

M ▶ E ▶ N ▶ U

Salad • Surf & Turf • Raspberry Delight

* For special dietary needs contact Hilda White at the Sarnia Golf and Curling Club 48 hours prior to meeting date.

NOTE: Kindly book before deadline indication.

Please phone in or E-Mail your reservation by Thursday, May 27th, 1999 to
Sandi Cooke - Tidball Phone: (519) 481-3211 • E-Mail: cookets@novachem.com

MEMBERS \$10 ▶ GUESTS \$15

NOTE: ALL Members and guest are requested to reserve in advance. Please oblige... we need your support to plan your evening!



Upcoming Meetings '99

Executive Meetings...

June 29 ▶ August 30 ▶ October 25

Dinner Meetings...

May 31 ▶ September 27 ▶ November 29



Education Committee Report

Thanks to John Park of IDC and Kalpen Vachharajani, Education Chairman, the "Practical Data Communication" course held April 12 & 13, 1999 was a great success. All 36 participants have remarked highly on the course, and are interested in future courses.





ISA Directory of Instrumentation 1999

Survey

FROM: Phil. Dunlop

Phone: (519)-683-4188

Fax: (519)-683-2742

The ISA Directory of Instrumentation 1999 represented a dramatic change of format and presentation from the 'Annunciator'. To assist us in our planning for the Year 2000 Directory, we ask for suggestions in design and content. Your input will help us in planning as we work toward our May campaign launch..

Please take a few minutes to share your thoughts with us and fax back ASAP.

1. Did you receive copies of the Directory this past January? (Check one)

Yes ☐

No ☐

(If 'No' please provide your shipping address on return fax)

Suggested changes: _____

C) Ad. design: ☐

Suggested changes: _____

2. If you have used the various sections of the Directory, please assist us by answering the following questions. (Rate 1-5, or as necessary, 5 better)

A) Principal Brand Name/ Supplier Cross Reference Section-

i-Organization: ☐ ii-Accuracy: ☐

B) Product Category/ Supplier Cross Reference Section-

i-Organization: ☐ ii-Accuracy: ☐

C) Technical Handbook Section-

i-Organization: ☐ ii-Accuracy: ☐

Suggestions: _____

3. As a advertiser, I am- (Rate 1-5, or as necessary, 5 better)

A) Happy with my ad: ☐

B) Sales and follow-up: ☐

D) Format/Presentation: ☐

i- Question:- Would you find the Directory information helpful in electronic format, as well as hard copy?

Yes: ☐

No: ☐

ii- Would a section of e-mail and web page addresses within the Directory be an added sales tool for your company?

Yes: ☐

No: ☐

4. Further suggestions: _____

Survey completed by: _____

Thank You

ISA March Dinner Meeting



Thanks to Ed Tierney of ABB Control Valves for the excellent presentation on "Steam Assisted Desuperheating"

Another ISA Show Success FEB '99



Y2K Readiness

What is the Millennium Bug?

It's a glitch created by computer programmers in previous years, who saved space on their software by keeping track of dates in a two-digit format, so that 1999 is recorded as 99. When the year 2000 begins, it will appear as 00 in a two-digit format and many programs will misinterpret that by resetting their clocks to 1900 or some other incorrect date.

Why does this matter?

An incorrect date may cause a failure in computer programs or chips that are embedded in hardware devices in factories, banks, ships, airplanes, offices and even homes.

For example, a safety-monitoring device could bring a power station to a standstill because it thinks it has been 100 years since the last routine maintenance. Or a pension plan could refuse to issue a cheque because it calculates that the recipient is minus 30 years old.

How can the bug spread?

When one function or system fails, it may have an impact on others. A shutdown at a power plant, for example, could disrupt the business of an entire community. If too many systems fail at the same time, there could be catastrophic consequences that would have a ripple effect around the world.

What is the treatment?

Programmers have to look for every piece of software and every component that could be affected, figure out whether the faulty code could have any adverse consequences and, if so, either rewrite the code or replace the component.

Is it a cure?

With limited resources and billions of embedded chips or programs all over the world, it is unlikely that the bug can be eradicated. Governments and the private sector are trying to check, repair and test all the critical services on which society and the economy depend. Most organizations have contingency plans in place to try to cope with the problems that they fail to fix.

GET INVOLVED!!!
"Nominate Yourself for a Position on the ISA Executive."

Contact Mike Murray:
 Tel 383-1709 • Fax 339-0841
 e-mail: mmurray@suncor.com



Executive 1998-99

Position	Incumbent	Phone	Fax	E-Mail
President	Mike Murray	383-1709	339-0481	mmurray@suncor.com
Vice-President	Randy Dennie	337-8252 ext. 5871	339-7723 (W) 542-0179 (H)	rjdenn@xcelco.on.ca
Past President / Section Delegate	Andy Tucker	383-3704	383-8285	andy.tucker@ontario.honeywell.com
Treasurer	Jeff Talbot	339-9330	1-888-259-1666	jtalbot@cbeast.com
Assistant Treasurer	Brian Patterson	337-7591	336-0997	bpatterson@peacock.ca
Executive Assistant	Mike Spearman	344-1339	344-3824	m.spearman@wika.ca
Newsletter Chairman	Bob Devine	332-2300	332-6640	bob.devine@frco.com
Newsletter Editor	Rob Thrift	339-2272	339-5729	rthrift@xcelco.on.ca
Web Master	Brian Smith	332-1212 ext.7920	339-7301	smithb@novachem.com
Program Chairman	Ian Shouldice	383-8044	336-5153	shouldie@ebtech.net
Program Assistant	Jim Dinkel	869-8558	869-2957	dinkeljh@ebtech.net
Honours & Awards Chairman	Aldo DeSantis	344-4300	344-0042	aldo@controvalve.com
Honours & Awards Assistant	Guy Salt	344-4300	344-0042	gsalt@controvalve.com
Membership Chairman	Jennifer Southcombe	337-2301 ext. 480	383-1736	jsouthcombe@suncor.com
Membership Assistant	Glen Williamson	481-3202	481-3336	williaga@novachem.com
Student Section Liaison	Mike Grey	542-7751 ext.308	542-6667	mike.grey@lambton.on.ca
Standards and Practices Chairman	Don Murch	431-1916	431-1127	murch@ebtech.net
Standards and Practices Assistant	Umesh Patel	337-2301 ext.292	383-3678	upatel@suncor.com
Education Chairman	Kalpen Vachharajani	332-1717	332-8715	vachhara@paton.org
ISA Show Committee Chairman	Wayne Wilkins	331-1063	337-8054	summa@idirect.com
Golf Tournament Chairman	Gary Coles	541-2360	541-2394	mvfsar@xcelco.on.ca

MEMBERSHIP FORM

INSTRUMENT SOCIETY OF AMERICA

This form may be used by any interested person wanting to join ISA or ISA International, including students. For assistance contact ISA Member & Customer Service at (919) 549-8411.

Please type or use block letters. Sign and date below, in Section 3.

1 Name _____ ☐ Male ☐ Female Birthdate _____
 Company Name _____ Division/Works _____
 Position/Title _____
☐ Check here if you are a full-time student and complete the following: School _____ Year of Graduation _____
 Mailing Address: ☐ Home ☐ Work NOTE: Student member applicant, please list permanent home address.
 Street Address / P.O. Box _____ Mail Stop _____
 City _____ State / Province _____ Postal Code _____ Country _____ Fax _____ Telex _____
 Telephone (include area code or country/city code) _____
 Have you ever been a member of ISA? ☐ Yes ☐ No Previous years of membership _____
 Assign me to the _____ section of the section closest to my home address.
 Highest Education Degree Earned ☐ High School ☐ Associate ☐ Bachelor ☐ Master ☐ Doctorate
 Are you a registered professional engineer? ☐ Yes ☐ No State / Country Registered _____
☐ From time to time we may make our mailing list available to companies whose products or services may interest you, please check this box. We will respect your wishes.

2 NOTE: Sections 2, 3 and 5 must be completed for processing.

Check your primary job function:
☐ A: General or Corporate Management
☐ B: Control Systems Engineering
☐ C: Design Engineering
☐ D: Production Engineering
☐ E: Plant Engineering or Maintenance
☐ F: Software Engineering
☐ G: Plant Information Systems
☐ H: Systems Integration
☐ I: Measurement, Testing, Quality or Standards
☐ J: Research and Development
☐ K: Technical or Engineering Support
☐ L: Operations
☐ M: Purchasing or Procurement
☐ N: Education or Training
☐ O: Marketing or Sales
☐ P: Other: Describe: _____

What is the primary end product manufactured or service performed at your company/location? _____

☐ Check here if no manufacturing is done at this location.

Signature _____ Date _____

3

5 Dues Payment Information
 Please select the level of membership for which applying:
☐ Regular Member \$65 US (Tax Deductible) \$ _____
☐ Student Member \$9 US (Limited Benefits) \$ _____
☐ Division Membership \$5 US each \$ _____
☐ Industrial Computing Society Membership (reg. \$55) \$30 - must be an ISA Member \$ _____
 TOTAL AMOUNT DUE \$ _____
 Annual ISA dues include a subscription to **INTECH** for which a non-deductible allocation of \$8.00 is made for regular members and \$3.50 for student members.
 NOTE: The following are acceptable for meeting dues payment. Please indicate the method used. Make checks payable to Instrument Society of America in US Currency only. If paying with international funds, see special note below.
☐ Check ☐ Money Order ☐ American Express ☐ Eurocard ☐ MasterCard ☐ Visa
 Account# _____ Expiry Date _____
Special Note Regarding Transfer of International Funds
 Credit Card Payment is preferred; checks with proper MCR bank encoding must be drawn on your bank's correspondent NY or other US bank. Amount payable to ISA must include any bank or other processing charges.
☐ Wire Transfer - Add \$5.00 US for processing. Send to ISA Account #1176294, Central Carolina Bank, ABA053104665, transfer must show applicant's name and address.
☐ UNESCO Coupons ☐ Money Order - Add \$5.00 US for processing.
 Mail completed form and payment to:
 Instrument Society of America
 Member & Customer Services
 P.O. Box 3561
 Durham, North Carolina 27702
 USA
 If paying by credit card, fax to: (919) 549-8288

4 DIVISION ENROLLMENT - Also email me at \$5.00 each in the Divisions checked below. To join Divisions you must also enroll as a regular or student member.

Automation & Technology Divisions
☐ (A) Analysis & Expert Systems
☐ (B) Robotics & Control Systems
☐ (C) Process Systems
☐ (D) Open Systems Interconnection
☐ (E) Process Measurement & Control
☐ (F) Test Measurement
☐ (G) Instrumentation & Communications
☐ (H) Electronic Systems
☐ (I) Management

Industries & Sciences Divisions
☐ (A) Aerospace Industries
☐ (B) Mining & Metals
☐ (C) Chemical & Petrochemical Industries
☐ (D) Construction & Building
☐ (E) Food & Pharmaceutical Industries
☐ (F) Textile Industry
☐ (G) Agriculture & Veterinary
☐ (H) Marine & Naval Industries
☐ (I) Glass & Ceramics Industries
☐ (J) Power Industry
☐ (K) Marketing & Sales

*Students are entitled to one free membership each in the Automation & Technology and Industries & Sciences Divisions. Please choose and mark the asterisked selections.