



March 2005

ANNUNCIATOR

SARNIA  SECTION

The Instrumentation,
Systems, and Automation Society

ANNOUNCEMENT

Vendors are invited to display their products at the Dinner Meetings. 2 tables are available.

Contact Program Committee Paul Strong or Brian Patterson. Cost \$50 + GST per table.

2005 Directory

Reference Guide to
the Measurement & Control Market
2005

NOW AVAILABLE!

The 2005 Sarnia ISA Directory is now available.
Call... Kevin (519) 333-6705 for details.



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

www.isasarnia.com

DINNER MEETING NOTICE



MONDAY

MARCH 28, 2005

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...

JAN CHRISTENSEN

Topic... "Very Low Flow Coriolis Meters"

Very low flow coriolis meters are a new technology. Coriolis technology provides direct mass measurement, simultaneous on-line density measurement and is immune to fluid variations. They can very accurately measure gas or liquid. These meters can be used in all industries. Typical applications in the Petro-Chemical industry are Catalyst Injection, Analyzer Sample Flow Streams, Gas Odorizing, and Pipeline Additives. Multiple Pilot Plant and R&D applications.

MENU

GOURMET SPRING SALAD MIX WITH RASPBERRY VINAIGRETTE

CHARBROILED PORK CHOP

BAKED POTATO & FRESH VEGETABLE MEDLEY

CHERRY CHEESECAKE

** 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, March 24, 2005 to... MAUREEN LYNAS
Phone: (519) 336-3006 • Fax: 344-0607
E-Mail: maureen.lynas@willereng.com

New Member Benefit!

MEMBERS \$10 ► GUESTS \$20

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

ISA Upcoming Events

- ▶ March 28, 2005 - Dinner Meeting
- ▶ May 17, 2005 - London Dinner Meeting
Contact: Kalpen Vachharajani 332-1717 x237
vachharajani@paton.org
- ▶ May 24, 2005 - Windsor Dinner Meeting
Contact: Kalpen Vachharajani 332-1717 x237
vachharajani@paton.org
- ▶ May 30, 2005 - Dinner Meeting
- ▶ June 10, 2005 - ISA Golf Tournament

ISA Guest Speaker Abstract

Jan Christensen: Very Low Flow Coriolis Meters

Jan is the Senior Flow Specialist for Brooks Instrument which is a division of Emerson Process Management. He is also assigned as Brooks Instrument Industry Manager for the fuel cell industry worldwide. Jan is in charge of factory training in North America. He has worked for Emerson for 20 years. The first 10 years were with Rosemount in Mississauga and the last 10 years were with Brooks Instrument. Jan covers a very large geographical area which includes Canada, USA, and Mexico. Jan's background and education is in computers and electronics.

ISA Service Awards – To Be Presented at the May 2005 Dinner Meeting

35 Years...	Clifford C. Pedersen
25 Years...	Imrich Cabajsky
20 Years...	David R. Kraemer, Dwayne L. O'Neill, William A. Reid, Kenneth F. Kightley, Larry B. Liut
15 Years...	Anura Prathapasinghe, Ted Zavitz, Joseph M. Sebben, Charles R. Thayer
10 Years...	Dennis J. Vetter, Dave G. Draves, Glen C. Fournier, David J. Lyon, Kalpen M. Vachharajani, Dale L. Anderson, Eric Janhunnen, Chad Maharaj
5 Years...	Randy L. Henderson, Glen Jackson, Edmond G. Braithwaite, Aleksandar Karanovic, Donald C. Mitchell, James R. Frost, Daniel T. Mullins, Ronald Steven Webster, Rob P. Nieuwland, Jacques N. Poirier

ISA Sarnia Section ISA Dinner Meeting



*Our thanks to Gary Rothrock...
January's Guest Speaker.*



*Door Prize Winner... Greg Moon,
presented by James Callery.*



ISA Membership Application

- ☐ **JOIN ONLINE TODAY AT www.isa.org OR,**
- ☐ **MAIL** this form to: ISA, PO Box 3561, Durham, NC 27702-3561, USA **OR,**
- ☐ **FAX** to (919) 549-8288 (credit card required) **OR,**
- ☐ **CALL** ISA Member & Customer Services at (919) 549-8411

ISA is the international society for measurement and control[®]

Sponsor Name:

Sponsor Member No.:



President's Message

Meetings from the Sarnia Section executive. I hope you participated in our recent ISA show. There were seven interesting seminars on a wide variety of topics including analytical, measurement, process safety management and construction. The presenters were knowledgeable and experienced in their fields of practice. Many exhibitors were present to show their products, services and new offerings. The show committee led by Don Mitchell produced an excellent event and we are very appreciative of their efforts. I would also like to thank all of the exhibitors for their support of our section and their efforts to bring a high quality show to the visitors.

Nominations are open for those who are interested in participating on our executive. Please let me know if you would like to help run our section, develop leadership skills and networking contacts. The more you get involved in ISA the more benefits you receive. Help keep our section strong with your participation.

In May we have a District Leadership Conference in Montreal. This is when all of the ISA sections in Eastern Canada meet, do business and participate in leadership seminars. We meet with the other section leaders and discuss common issues and problems.

Our new 2005 Reference Guide to the Measurement & Control Market is available. They were distributed at our show in February. If you would like to have one please ask one of the advertisers or stop by Lakeside Controls to pick one up. Congratulations to Randy Dennie and the entire team for producing a great book. There is a large technical section as well as the advertisements, product reference and brand cross reference.

Best Regards,

BRIAN SMITH ISA Sarnia Section President
smithb@novachem.com

Notice for Election of Executives for 2005/2006 ISA Sarnia Section

This is to inform all the ISA Sarnia Section Members that, nominations for the following 4 Executive Positions for Year 2005 - 2006 on ISA Sarnia Section Board are now open. If you are interested in nominating yourself or someone else, contact Brian Smith - President ISA Sarnia Section. Nominations must be sent in writing to the following address: Brian Smith, 106 Conestoga Dr., Sarnia Ontario N7S 5V7 Or e-mail Kalpen at - smithb@novachem.com

The election will take place at the section's upcoming dinner meeting scheduled for Monday May 30, 2005 - Sarnia Golf & Curling Club President * Vice President * Treasurer * Executive Assistant



Executive 2004-2005

Position	Name	Phone	Fax	E-Mail
President	Brian Smith	332-1212 x7920	339-7301	smithb@novachem.com
Vice-President (Science Fair, Engineering Week, Donations)	Don Murch	431-1916	431-1108	murchfam@sympatico.ca
Dist President, Society Delegate	Don Murch	431-1916	431-1108	murchfam@sympatico.ca
Treasurer	Mike Grey	542-7751 x3308	542-6667	mike.grey@lambton.on.ca
Executive Assistant	Steven Webster	(519)641-8953	(519)641-0081	steven.webster@rogers.com
Assistant Treasurer	TBA			
Reference Manual Chairperson	Randy Dennie	337-8252 x5871	work:339-7723 home: 542-0179	rdennie@sympatico.ca
Reference Manual Assistant	Jim Knight	337-3200	337-7068	Jim.knight@summitcontrols.com
Newsletter Editor	Kevin Noon	333-6705	332-6640	Kevin.noon@lakesidecontrols.com
Newsletter Editor Assistant	Greg Moon	333-6709	332-6640	greg.moon@lakesidecontrols.com
Web Master, Internet/Electronic Communications	Kalpen Vachharajani	332-1717 x237	332-8715	vachharajani@paton.org
Program Chairperson	Paul Strong	431-1271	431-1108	paul.strong@opg.com
Program Assistant	Brian Patterson	337-7591	336-0997	bpatterson@weiramericas.com
Honors & Awards Chairperson	Dipak Patki	332-0160	344-1186	patki.dipak@colteng.com
Honors & Awards Assistant	TBA			
Membership & Marketing Chairperson	James Callery	337-2301 x3518	383-1736	jcallery@suncor.com
Membership & Marketing Ass't	Jeff Talbot	336-4482		jtalbot@cbeng.com
Student Section Liaison	Mike Grey	542-7751 x3308	542-6667	mike.grey@lambton.on.ca
Standards & Practices Chairperson	Glen Fournier	331-0433	336-8975	glen.fournier@ca.endress.com
Standards & Practices Ass't	Jim Lukenda	337-8251 x4687	339-7723	Jim.lukenda.b@bayer.com
Education Chairperson	Brian Davidson	337-3200 x231	337-7068	brian.davidson@summitcontrols.com
Education Assistant	Ken Armitage	336-3453	336-1537	ken.armitage@huron.swagelok.com
Section Historian	Mike Murray	383-1709	339-0481	mmurray@suncor.com
Asst. Historian	Jim Knight	337-3200	337-7068	Jim.knight@summitcontrols.com
Show Chairperson	Don Mitchell	336-3453	336-1537	donald.mitchell@huron.swagelok.com
Ass't Show Chairperson	Tba			
Ass't Chairperson	Roman Norejko	339-4291	339-4649	rpnorejko@dow.com
Ass't Golf Chairperson	Gary Coles	337-0777	337-4445	gcoles@mvfltd.com
District Vice President	Randy Dennie	337-8252 x5871	work:339-7723 home: 542-0179	rdennie@sympatico.ca
District Vice President Elect	Bob Popek	(416) 548-4204	(416)548-4269	bob_popek@dofasco.ca
Dist 13 Admin. at RTP	Dalton Wilson	919-990-9280	919-549-8288	dwilson@isa.org

Forward

We would like to present the literary works of Howard Hobbs, under the heading he used, *Written On A Roll Chart*, when he was editor of the *Sarnia Section Bulletin* in the 1950s. Senior members may well remember these articles, after reading Howard's works, and finding them both entertaining and timeless, we have decided to publish a select few for our current members.

These works were generated at the time when Howard worked in the instrument maintenance department at Dow Chemical in Sarnia. It is amazing how many of the situations of the work still hold true today !

Enjoy.

Written On A Roll Chart

It is safe to say that all Instrument men are eccentric. Whether it is the environment that pushes the otherwise normal man across the dividing line, or whether there is some fascination about the trade that attracts natural born crackpots, are questions which I do not propose to discuss. I merely offer it as an undeniable truth backed by ample evidence. Just stop for a moment and consider your associates, and I am sure will agree that each is a little off the beam.

If we, the users of instruments, must number ourselves among the unbalanced, and I would be the last to dispute it, we must reserve an ample space in the front rank for the makers of instruments. Off in a little group by themselves we must place the designers of level instruments, bless their little pointed heads !

You may wonder why I give Honourable Mention to this small segment of the industry. The answer is simple. They are adept at doing things the hard way. Recent experience has shown me that these boys prefer the round-about way of doing everything. They would probably perform a certain intimate function while standing up in a hammock !

We are using one type of level instrument which can only have been evolved in some padded laboratory. The primary element consists of six large balls, (enough for two pawn shops). These are bolted to a spacer which holds the balls equidistant on the circumference of a circle, in which position they may float up and down on the surface of a liquid. The balls carry with them three magnets which are in the centre of the circle and the whole shebang is guided by a three-quarter inch stainless steel pipe which drops vertically from the centre of the tank.

This pipe is capped at the bottom and has within it another magnet, complete with little wheels, which is attracted by the outer magnets. This inner magnet is tied to a nylon cord which winds and unwinds from a drum as the level changes. The drum is geared (courtesy of Massey-Harris), to an indicating counter and by a very sturdy linkage to an alleged air transmitter.

Now even if the above contraption worked like the advertising pamphlets said it would, I would be not too fond of it still, because it is far too intricate for what it is doing. If a fly is unkind enough to deposit his waste inside that pipe, the little magnet can't get over the hump. We cured this trouble by filling the pipe with alcohol, (a good cure for many troubles), trusting that the insect population were abstainers.

If the cord does not wind properly you have a bellyful of troubles because the machine is built to make this simple task almost a factory job. Everything you don't need to touch is in front. The air transmitter does a splendid job and is only slightly bothered by changes in wind direction.

Well there you have it: or rather, I have it - to love, honour, and cherish, and somewhere in his dim lit cell, the madman who produced it is laughing to himself as he assembles his next model: probably a steam powered radar type. Probably we will buy it: certainly, I will be stuck with it. The only consolation is that there are plenty of adjustments. You need every one of them.

From the ISA Sarnia Section Bulletin - January 1953