

ANNUNCIATOR

MARCH 1995



**Dinner
Meeting:
March 27th,
held at the
Dante Club!**

See Page 55 for details.

SARNIA



SECTION

50th Anniversary

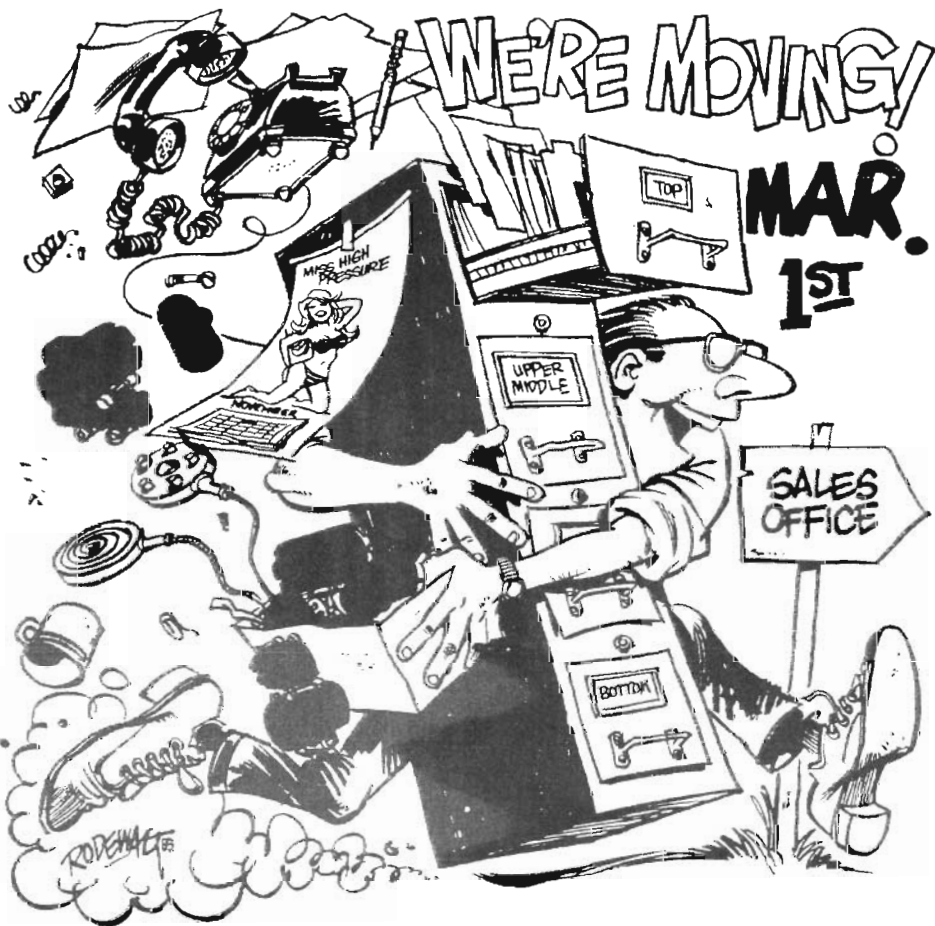


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Editor's Notes

Watch for the continuing saga...

"WRITTEN ON A ROLL CHART"

These are the collective writings of HOWARD HOBBS,
with commentary by Bob Connell.

ADVERTISERS: Please note that the deadline for the
MAY ANNUNCIATOR is April 21, 1995. Please forward information to
the editor by that date in order to have items updated.

NOTE: Dinner meeting for MARCH is at THE DANTE CLUB.

The Dante Club Hall is at 1330 London Road in Sarnia.

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"The absenteeism statistics are not kind to women's lib," remarked a vice president for industrial relations of a large company.

True data from the monthly Current Population Survey of the Bureau of Census, analyzed by Janice Neipert Hedges, economist in the Bureau of Labour Statistics Division of Economic Studies, do show rates of unscheduled absence for women to be about 33 percent higher than those for men. But let's look beneath the surface:

Putting Facts Into Perspective

"Factors other than sex must be considered," comments Ms. Hedges. "Women are more likely to be new hires, and more likely to be employed in the lower skilled, lower paid occupations – two factors associated with relatively high rates of absence. Sex differences in absence rates narrow when comparisons are made within a particular occupation group, even though within the group men tend to occupy the better paying jobs."

Favourable Records

Esther E. Espanshade, supervisor, Division of Statistics, Programs, and Publications, Illinois Department of Labour, has pointed out that women workers have favourable records of attendance and labour turnover when compared with men employed at similar job levels and under similar circumstances. Says she:

"Impartially collected statistics on absenteeism and labour turnover indicate that the skill level of the job, the age of the worker, the worker's length of service with the employer, and the worker's job stability, all provide better clues to understanding differences in work performances as to absenteeism/turnover than whether the worker is a man or a woman. Further reduction in the amount of absenteeism of women compared with men is to be expected as improved medical and health care facilities become available, and more widespread day care centers for children are established."

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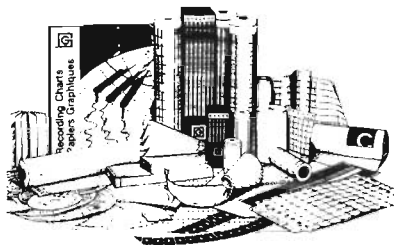
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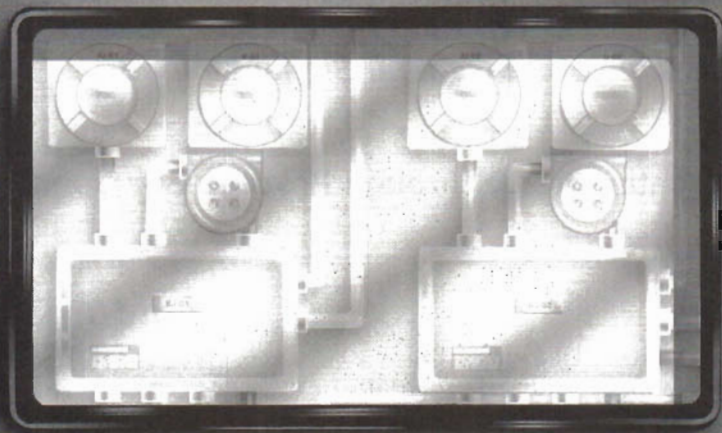
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"Written on a Roll Chart"

~ Requiem ~

At long last, is made a decision,
The course that our Sections will go,
For our present distressing position
Is lower, much lower, than low.

Shall we fold with a sob, or a whimper,
Or a groan, or a watery eye,
Or a childish display of ill temper,
Or a heartfelt and quivering sigh?

But none of these things is becoming,
Such sentiments aren't apropos.
So set all the drummers a-drumming
And give the old nose a big blow.

If it is ordained that we perish,
If this ends the Section career,
Let us have us a wake we can cherish,
Let us die with a shout and a cheer.

Let's put on the garments of sable
And pin on the armbands of crepe,
And gather about the long table
And drown our demise in the grape.

And let there be music and laughter,
And feasting, and everyone gay.
All hail to the echoing rafter,
And the night that is turned into day.

Though we're caught on the horns of destruction,
Hard and fast on the reef of despair,
Let us rave not nor cause an eruption.
No howling, nor tearing of hair.

Let us pass, in a spirit that mellows,
And if, should the judgement arrive,
'Twill be said - "They were excellent fellows,
A pity they're not still alive."

From the ISA Sarnia Section Bulletin - April 1959

(Even before the Instrument Society of America came into being, there was a Sarnia Instrument Society, made of individuals who had a common interest in measurement and control. This group eventually became one of the founding sections of the ISA. Although Howard makes it obvious that the section had hit a low point in the Spring of 1959, it survived, and is well and active in the 1990's.)

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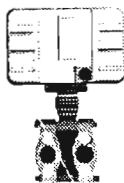
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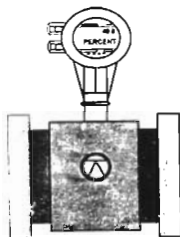


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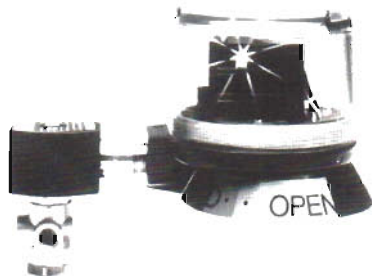


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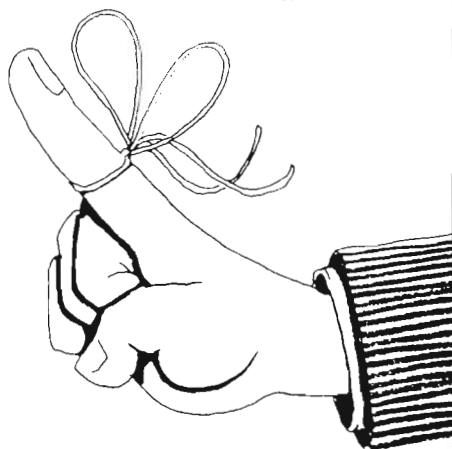
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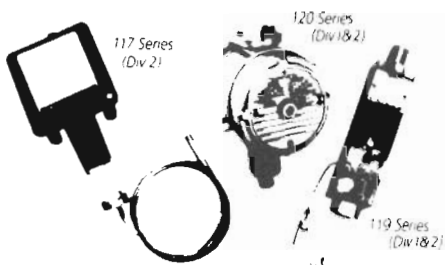
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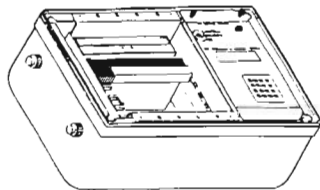
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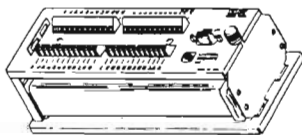


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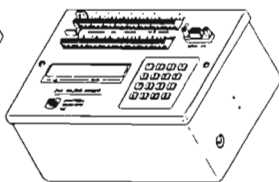
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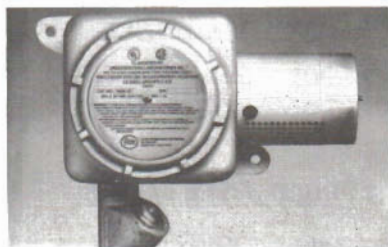
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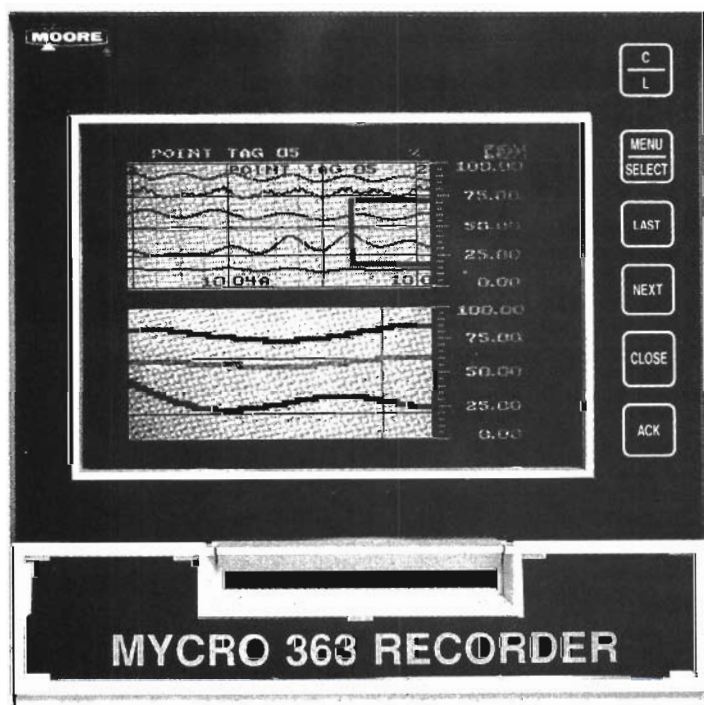
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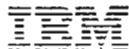


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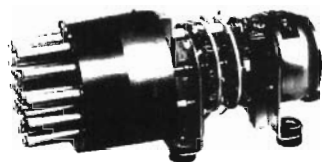
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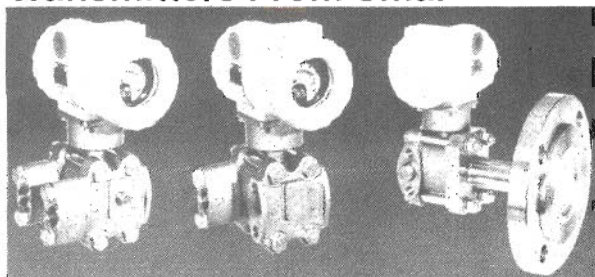
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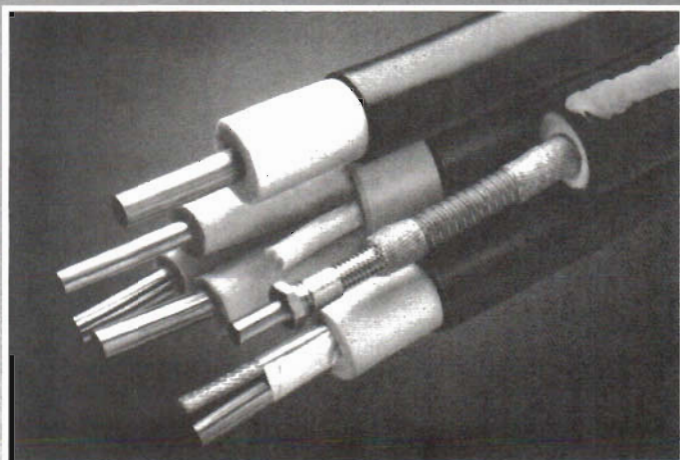
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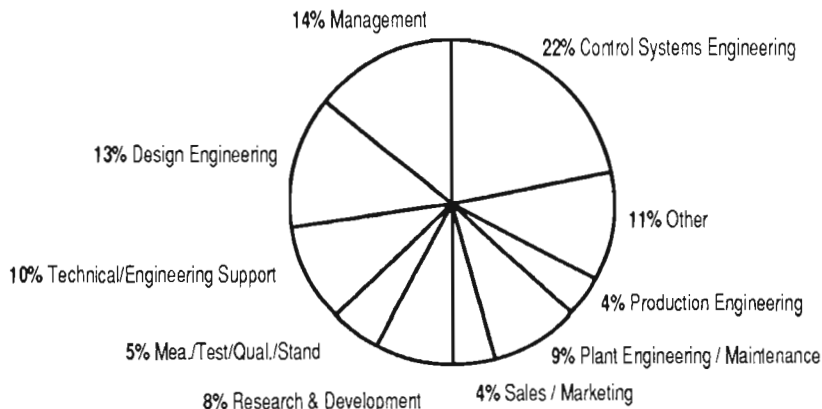
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| 84% | are buying influences. | 46% | represent firms with over 500 employees. |
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| 41% | make annual instrumentation purchases over \$100,000. | | |
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Audience Attendance Profile

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| 58% | attend no other show annually. | 46% | are first-time ISA show attendees. | 65% | travelled less than 400 miles to the show. |
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ISA/95 Canada Attendees by Job Function

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jokes



The boss prided himself to look for intelligence and creativity when interviewing a prospective new employee. Next, please, he yelled. Question: "What comes to mind, when I say 2 and 2?" Answer: "Oh, that could be 22 or 2 square." Not bad for not stating the obvious. Next! Same question. "Now, let me see, I would say that is construction-grade lumber, size 2 by 2." Not bad, finding something in left field. Next! This time the answer is: "Well, that would be 4." Hm, hm (intelligence: so-so; creativity: my foot). Guess who got hired? The third. (He was the owner's son!)

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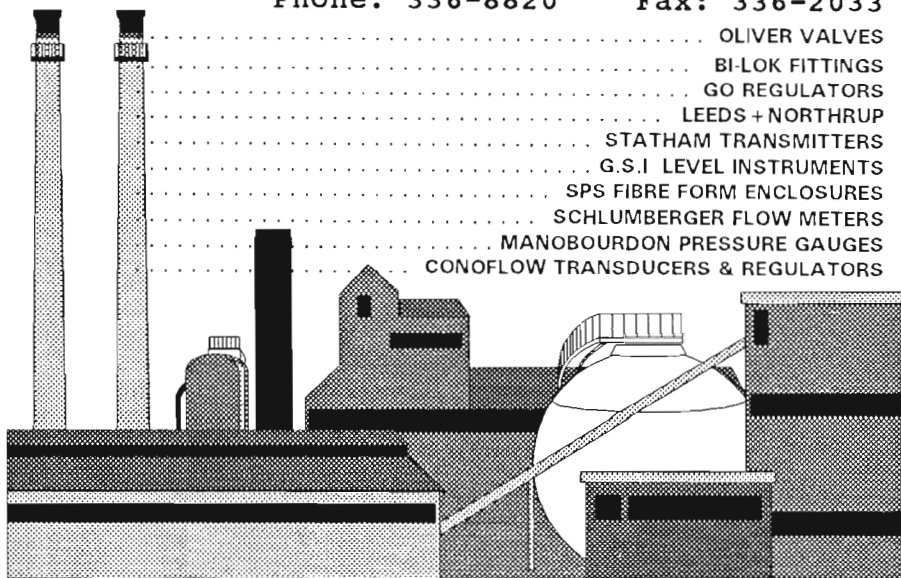
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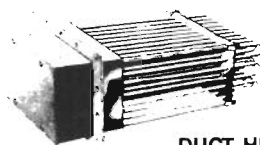
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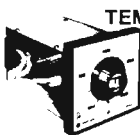
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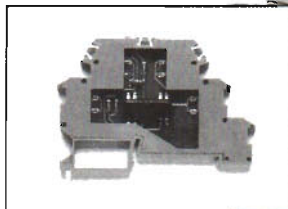
These DIN-rail mounted, modular blocks feature dead-front construction and captive screw-clamp termination for safe, reliable installation — in a snap. Phoenix Contact has the broadest line of multi-function wiring devices and feed-thru terminal blocks in the industry.

The grouping at right is only a sampling of the many application solutions available.

For application assistance, or a copy of our newest catalogue, call or fax.

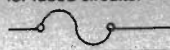
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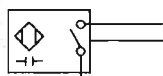


SMD technology allows relay isolation and contact ratings up to 3A in a terminal block only 1/4 inch (6.2 mm) wide.

Better space utilization for fused circuits.



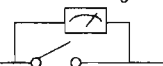
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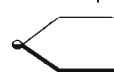
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DISTRICT 13 WORKSHOP

There is a District 13 Workshop planned for April 29 and 30, to be held in conjunction with the Toronto ISA Show. Make plans to attend.

FIFTIETH ANNIVERSARY CELEBRATION

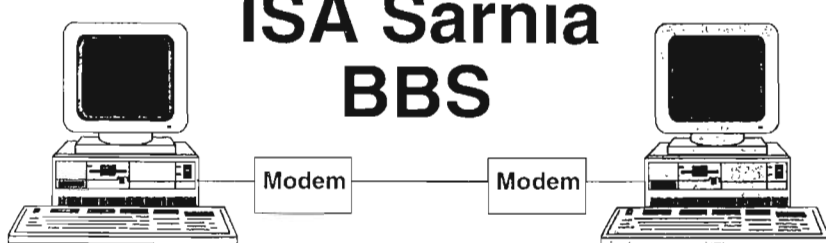
Our next Dinner Meeting will be devoted to the 50th Anniversary Celebration of the ISA. Gerald Wilbanks, the current ISA President will be the guest speaker. A local speaker will be invited to give a local flavour to our history.

GOLF TOURNAMENT

We are planning to have a golf tournament early in the summer. Three clubs are being considered as locations. The date is Friday, June 16, 1995. The cost will be around \$35 to \$40 per person for golf and the meal. It will be open to all Members, Student Members and non-members. We are allowed 144 people max.

TORONTO ISA SHOW:

The Toronto ISA Show is coming rapidly. Colour posters have been printed and distributed. Plant coordinators are still needed. We hope to see you there.



The diagram illustrates a Bulletin Board System (BBS) setup. It features two identical computer systems, each consisting of a CRT monitor, a system unit, and a keyboard. A line connects the two systems, passing through two boxes labeled 'Modem', indicating a modem-to-modem connection.

ISA Sarnia BBS

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CB ENGINEERING

We are pleased to announce that CB Engineering will be representing O'Brien Corporation in Eastern Canada, effective January 1, 1995. CB Engineering has represented O'Brien Corporation in Western Canada since 1977 and we know they are technically competent and professional. We encourage you to contact CB Engineering for your winterizing tubing and bundle requirements. They can be reached at their Canadian Toll Free number, (800) 99CBENG.

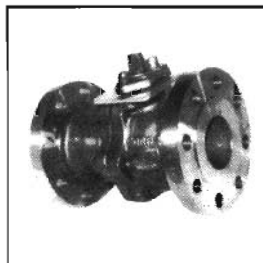
(Continued on Page 53.)

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USING THE SARNIA SECTION BBS - Part 2

This series of articles is intended to provide basic instructions about the BBS commands and identify short cuts to make your time on-line more productive. Part # 1 explained how to login to the BBS. Now it's time to explain some of the Main Menu.

Most commands can be executed by typing the first letter. Typing a "B" plus [ENTER] will cause the Bulletin Menu to appear. Bulletins are documents describing general things like system rules, ISA history, ISA mission and goals and Industrial newsletter. Type the bulletin number you wish to display. Press the [ENTER] key to scroll through the document. Press [ENTER] to return to the Main Menu. Menu commands can be stacked such as B 1 [ENTER]. Don't forget the space between B 1. This will cause bulletin #1 to appear on the screen.

There are a number of general interest files about various subjects that have been posted. I have selected some of the most popular files that are posted on other BBS systems. Most files are shareware. We have permission to post the Vendor Sizing programs. The File menu lists groups or types of file lists that can be displayed and selected for downloading (copying the file to your pc). Files are grouped in each area by type, such as: Miscellaneous; MS Windows; DOS Utilities; Vendor Sizing Programs; Internet Information; etc. Files can be highlighted with your [space bar] and selected with your [ENTER] key. All files have been scanned for viruses and checked for errors prior to posting. There is a file in file area #1 called CALGUIDE.ZIP which is a detailed users manual for the BBS. All files with a .zip extension are compressed and need to be uncompressed with the PKUNZIP program. To list any new files since your last call, type FN at the main menu. This is an example of stacking commands, which is a shortcut to entering commands one step at a time. I would say that the most popular activity on the BBS is downloading files.

To download files, you must select a transfer protocol. The same protocol must be selected for both the BBS and your communications software program. The BBS supports Xmodem, Ymodem, Ymodem/G and Zmodem. Zmodem is the recommended protocol because it supports compression, error control and is the most efficient. Some communication software, such as Windows Terminal do not support Zmodem. Most will support Xmodem. You can select Ymodem on the BBS for multiple file downloads or batches.

One of the main purposes of the BBS is to promote the sharing of information. There are a number of Conferences divided into specific topics for this purpose. The conferences are local only, at this time. That means that messages can only be read by callers to our BBS. One of the goals for the BBS is to echo messages to/from other ISA BBS systems. There are other ISA Section BBS systems in Toronto, Hamilton, Halifax, Montreal, and Kingston. There is also ISA Online ICS Net systems on the Internet.

The BBS phone number is (519) 541-0427.

Brian Smith

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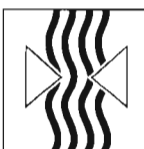
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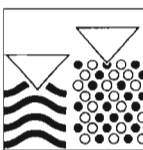
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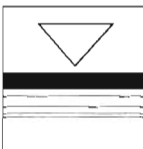


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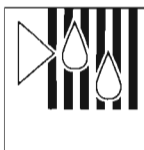
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MEMBERSHIP DINNER MEETINGS

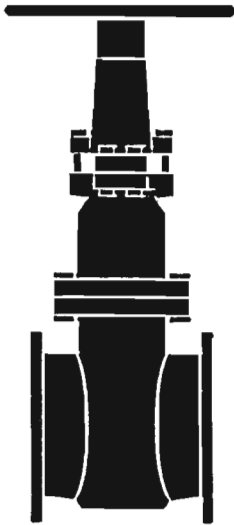
Date	Place
September 26, 1994	Drawbridge Inn
November 28, 1994	Drawbridge Inn
January 30, 1995	Drawbridge Inn
March 27, 1995	Drawbridge Inn
May 29, 1995	To Be Announced

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

EXECUTIVE MEETINGS

Date	Place
September 12, 1994	Drawbridge Inn
November 7, 1994	Drawbridge Inn
January 9, 1995	Drawbridge Inn
March 6, 1995	Drawbridge Inn
May 8, 1995	Drawbridge Inn

Time: 7:00 p.m.



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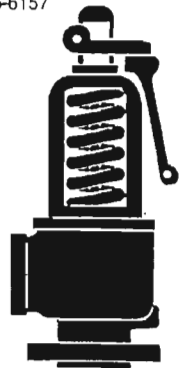
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

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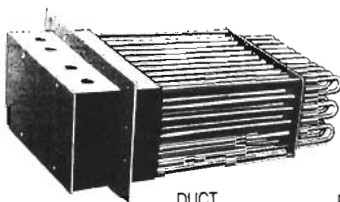
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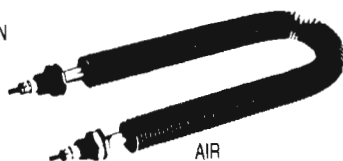
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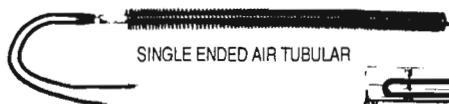
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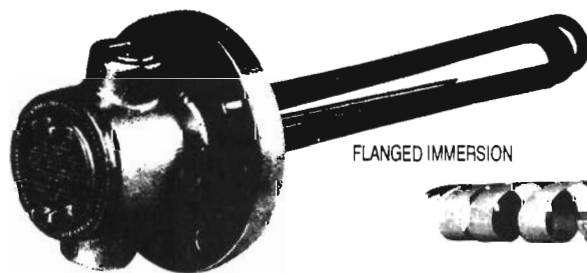
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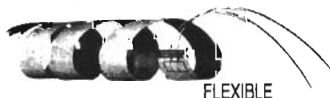
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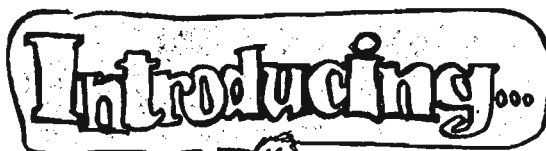
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Anniversary

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ISA Sarnia Section January Dinner Meeting Highlights

The ISA Sarnia Section began the 1995 season with a dinner meeting on January 30, 1995 at the Drawbridge Inn. The meeting was well attended by 76 members and guests. It was good to see a number of "new" and "old" faces out!

Randy Dennie, Honours and Awards Assistant, introduced plans for our first annual golf tournament, scheduled for June 16. Anyone who wishes to participate in organizing the tournament or sponsoring prizes is encouraged to contact Randy.

Our guest speaker was Alex Smart, Managing Director for BLH Electronics Canada. Alex came down from Toronto to speak with us on the application of load cells in the petrochemical industry.

Jennifer Southcombe, Program Chairman, announced celebration plans for our March Dinner Meeting. 1995 represents 50 years of activity for ISA and in recognition of this, we have arranged for ISA President Gerald Wilbanks to join us from Research Triangle Park, North Carolina. Please join in the celebrations on March 27, 1995 at the Dante Club, Sarnia. Please note the early reservation deadline of Wednesday, March 20.

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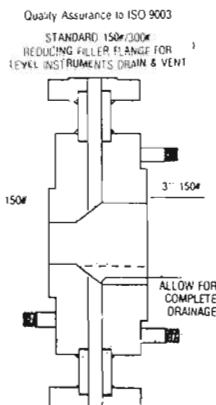
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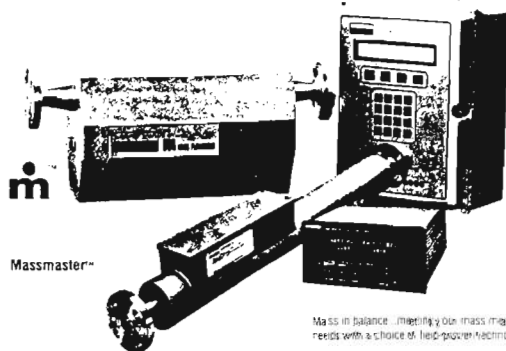
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- Hillcroft • IS Earth Proving Unit • for tanker trucks etc.
- TRGS • Intrinsically Safe Valves
- Lorad • Unique, Full-bore-Valves and Instrument Isolators
- Expo Safety Systems, Purging and Pressurisation

For Div 1 and Div 2, the Mini-X and Mini-Z -Purge Systems are fully pneumatic in operation, and conform to North American Standards, NFPA 496-1993. They are acceptable to Ontario Hydro, for installation in Ontario.

TYPICAL APPLICATIONS

Computer Monitors & Terminals
Programmable Controllers
119 Rack Apparatus
Panels & Switchgear

Chart & Data Recorders.
Gas Analysers.
Motor Control Centers.
Condition & Monitoring.

USERS DIRECTORY

This index lists manufacturers and trade-names alphabetically and enables users to determine the local representative for a particular manufacturer or product.

Manufacturer / Tradename

3-D
3M Circuit Tracer Kit
A. H. Emery
A. W. Sperry
Accutech
Acme Flo
ACR Systems
Acromag
Acrotech
Action Instruments
Action Instruments
Action Instruments
Advanced Pollution Instrumentation (API)
AEMC
AFE
AGM Electronics Inc.
Air Flow
Airsca
Alltemp Sensors
Alnor
Alnor Instruments
Altek
Altek
Amal
American
American Cylinders
Ametek
Ametek
Ametek
Ametek - Analyzers
Ametek - Mansfield & Green
Ametek - PMT
Ametek - U.S. Gauge
Ametek Gauges
Amprobe
AMS Analytical Systems
Analogic
Anarad
Anderson Greenwood
API Meters
Apollo
Appalachian Controls
Applied Automation
Argus Hi Performance Ball Valves
ARi
Arjay
Armatek
Armstrong
Armtec
ASCO
ASCO
ASCO
ASCO
Ascolectric (OEM)
Ashcroft
Ashcroft-Dresser
Ashford Valve
Astro International
Atkins
Auma Electric Actuators
Autocal
Autoclean

Local Sales Representative

Alpha Controls & Instrumentation
Transcat
Syber Systems Inc.
Transcat
Brian Controls
Neles-Jamesbury
Alpha Controls & Instrumentation
Willer Engineering
Transcat
Cambridge Controls
Heaters Controls & Sensors Ltd.
Ovantium Sales
Westech
Transcat
elenex Ltd.
Vermeer Engineering
Transcat
SSCAN Technologies
TubeTech
Baker Instruments Ltd.
Transcat
Alpha Controls & Instrumentation
Transcat
Cambridge Controls
elenex Ltd.
Provincial Controls
Brian Controls
SSCAN Technologies
Transcat
Westech
Brian Controls
Brian Controls
Brian Controls
Hardie Industrial Services Inc.
Transcat
Vermeer Engineering
Transcat
Vermeer Engineering
Cantech Controls
Lisle-Matrix Ltd.
Romatec
Controls
Westech
Romatec
Alpha Controls & Instrumentation
TubeTech
Armatek Controls
Willer Engineering
Bestobell Canada
Conval Equipment
Lakeside Controls
TubeTech
Westburne Lytle
Atlas Alloys
Transcat
Conval Equipment
Bestobell Canada
Detech Industries
Transcat
G. L. Stebbins
Leeds & Northrup, Canada
Leeds & Northrup, Canada

Manufacturer / Tradename

Autotech
 Azonix
 B & K
 B/W Controls
 Babbitt International Inc.
 Bacharach
 Bacharach
 Bacharach - Hand Held Instruments
 Badger Meter
 Badger Meter - Research Control Valves
 Bailey Controls
 Baldwin Environmental Inc.
 Barber-Colman
 Barnant
 Barnant
 Baumann Control Valves
 Beamex
 Bebeco Industries
 Beckman Industrial
 BEHA
 BEI
 Bellofram
 Bellofram
 Berthold
 Beta
 Bi-Lok Fittings
 Biccotest
 Biddle
 Bin-Master
 Bio-Tek
 Bios
 Bios International
 BLH Electronics
 Blue White
 BOILER-GARD
 Bonney Forge
 Brandt
 Brandt Instruments
 Branson
 Brian
 Bristol Babcock
 Brooklyn Thermometer
 Brooks Instrument
 BS & B
 Burkert Contromatic
 Burkert Contromatic
 Cajon Pipe Fittings
 Cal
 Canadian Meter
 Cantech Systems
 Cash-Acme
 Cashco Canada
 Cashco Canada
 CEA
 Cel Instruments
 Cellex
 Cellex
 Celtek
 Centerline Butterfly Valves
 Century Valve
 Cerabar
 Chandler
 Chatam Controls
 Chem-Tec
 Chemtrol
 Chessell
 Cliff Mock
 Colder
 Computer Keyboard Systems (CKS)

Local Sales Representative

Davis Controls
 Transcat
 Transcat
 J & M Engineering & Sales Ltd.
 G.L. Stebbins
 Brian Controls
 SSCAN Technologies
 Transcat
 J & M Engineering & Sales Ltd.
 Lakeside Controls
 TubeTech
 Novatech
 Davis Controls
 Heaters Controls & Sensors Ltd.
 Transcat
 Conval Equipment
 Transcat
 Controls
 Transcat
 Transcat
 Willer Engineering
 Conval Equipment
 Romatec
 Westech
 Transcat
 Sarnia Piping Specialties
 Transcat
 Transcat
 Regional Process Equipment
 Transcat
 SSCAN Technologies
 Brian Controls
 CB Engineering
 Brian Controls
 Lisle-Matrix Ltd.
 Atlas Alloys
 Willer Engineering
 SPR Controls Systems Ltd.
 Transcat
 Brian Controls
 Sharp Valve & Instrumentation
 Transcat
 Spec Sarnia Limited
 Romatec
 Provincial Controls
 Provincial Controls
 Huron Valve & Fittings
 Davis Controls
 G.L. Stebbins
 Cantech Controls
 Westburne Lytle
 Cambridge Controls
 Provincial Controls
 SSCAN Technologies
 SSCAN Technologies
 Armatek Controls
 Spec Sarnia Limited
 Controls
 Atlas Alloys
 Brian Controls
 Endress + Hauser
 Transcat
 Heaters Controls & Sensors Ltd.
 Brian Controls
 U & I Supply
 Willer Engineering
 Westburne Lytle
 Davis Controls
 CB Engineering

Manufacturer / Tradename

Conant Controls
Conders
Conductive Technologies
Conoflow
Consolidated
Consolidated Controls
Consolidated Controls - U.S.A.
Control Instruments Corp.
Control Microsystems
Controlair Inc.
Controlotron
Cooper Instruments
Cooper Valve
Cox
Crowcon
CSI - Microloggers
Custom Control Sensors
Cybex
Danfoss
Danfoss Mfg. Co. Ltd. - Denmark
Daniel
Darmatt
Data Industrial
Data Instruments Inc. - USA
Data Precision
Datavue
Datel
Davis Controls Ltd.
Davis Instruments
Defelsko
Dekoron
Delavan
Delphian
Delta C Technologies
Delta-M
Deltabar
Deltapilot
Detector Electronics
Devar
DewPro
Dewrance
DGH
Dianachart
Dickson
Digitec
Dillon
Dopak
Dover Gas Technologies
Draeger
Druck
Druck
DSP Technology
Durafet
Durakool
Duro
Duro-Sense
Dwyer
Dwyer
Dwyer
Dynapar
Dynapar
Dynasonics
Dynatech
E-T-A Control Instruments
E. G. & G. Moisture & Humidity
Eagle Signal
Eaton Consolidated Controls - USA
Eaton IDT
ECD

Local Sales Representative

Industrial Projects
Transcat
Cantech Controls
Sarnia Piping Specialties
Contro Valve Inc.
Transcat
Technel Engineering Inc.
Willer Engineering
Brian Controls
Cambridge Controls
Westech
Transcat
Atlas Alloys
Brian Controls
Regional Process Equipment
Campbell Scientific (Canada) Corp.
Willer Engineering
CB Engineering
Davis Controls
Lisle-Metrix Ltd.
Controls
Bestobell Canada
Cambridge Controls
Technel Engineering Inc.
Transcat
Leeds & Northrup, Canada
Transcat
Spec Sarnia Limited
Transcat
Transcat
Bestobell Canada
Armatek Controls
Romatec
Veronics
Brian Controls
Endress + Hauser
Endress + Hauser
CB Engineering
Cantech Controls
Endress + Hauser
Contro Valve Inc.
Alpha Controls & Instrumentation
Alpha Controls & Instrumentation
Transcat
Brian Controls
Brian Controls
Westburne Lytle
Veronics
SSCAN Technologies
SPR Controls Systems Ltd.
Transcat
SPR Controls Systems Ltd.
Leeds & Northrup, Canada
Davis Controls
Brian Controls
Transcat
Baker Instruments Ltd.
Davis Controls
Transcat
Davis Controls
J & M Engineering & Sales Ltd.
Brian Controls
SSCAN Technologies
SSCAN Technologies
Vermeer Engineering
Davis Controls
Technel Engineering Inc.
Cantech Controls
Novatech

Manufacturer / Tradename

ECD
 Echotel
 ECS Control Techniques
 EG & G Flow Technology Inc.
 EIT Inc.
 El-O-Matic
 Elcon Instruments
 Electromatic
 Elremco Timers - England
 EMCO
 Emission S.A.
 Encoder
 Endress + Hauser
 Endress+Hauser
 Enerrol Shocks
 Enertrols
 Engineered Valves International (E.V.I.)
 Enviroconics
 Environmental Technologies Group Inc.
 Environnement S.A.
 Epic Samplers
 Erdco
 Erhard Valves - Germany
 ETC
 Euchner
 Eurotherm
 Exotherm
 Expo Safety Systems
 Exttech Instruments
 F.B. Leopold - USA
 F.W. Bell
 F.W. Murphy
 Fabco Air
 Fairchild
 FCI
 Fike Canada Inc.
 Firerod Cartridge Heaters
 Fischer & Porter
 Fischer & Porter
 Fisher Controls
 Fisher Research
 Fisons Instruments
 Flow Meter Co. - England
 Flow-Lin Corporation
 Flowline
 Flowseal Butterfly Valves
 Flowtek Valves
 Fluid Data/Amscor
 Fluidic
 Fluke
 Fluke
 Foxboro - Measurement, Instruments, Parts
 Foxboro Analytical Group
 FUJI
 Fulier
 G.C. Industries
 G.S.I.
 Galtek
 Gamma Silometer
 Gefran
 General Controls
 General Eastern
 General Metal Works
 General Resistance
 General Resource (Isomatic Corp.)
 Geokon
 GGOSCO Engineering
 GGOSCO Needle Valves
 GGOSCO Valves

Local Sales Representative

Transcat
 Provincial Controls
 Vermeer Engineering
 CB Engineering
 Vermeer Engineering
 Westburne Lytle
 SPR Controls Systems Ltd.
 Heaters Controls & Sensors Ltd.
 Lisle-Matrix Ltd.
 Davis Controls
 SSCAN Technologies
 elenex Ltd.
 Regional Process Equipment
 Davis Controls
 Provincial Controls
 elenex Ltd.
 Westburne Lytle
 Brian Controls
 Novatech
 SSCAN Technologies
 Spec Sarnia Limited
 Bestobell Canada
 Lisle-Matrix Ltd.
 Transcat
 Davis Controls
 Heaters Controls & Sensors Ltd.
 Heaters Controls & Sensors Ltd.
 Syber Systems Inc.
 Novatech
 Lisle-Matrix Ltd.
 Transcat
 Cantech Controls
 Davis Controls
 Regional Process Equipment
 Willer Engineering
 Brian Controls
 Zesta Engineering
 Hardie Industrial Services Inc.
 TubeTech
 Lakeside Controls
 Transcat
 Westtech
 Lisle-Matrix Ltd.
 G.L. Stebbins
 Brian Controls
 Atlas Alloys
 Provincial Controls
 Armatek Controls
 Brian Controls
 SPR Controls Systems Ltd.
 Transcat
 Provincial Controls
 Vermeer Engineering
 Heaters Controls & Sensors Ltd.
 Syber Systems Inc.
 Brian Controls
 Sarnia Piping Specialties
 Romatec
 Endress + Hauser
 SPR Controls Systems Ltd.
 Neles-Jamesbury
 Willer Engineering
 SSCAN Technologies
 Transcat
 G.L. Stebbins
 Campbell Scientific (Canada) Corp.
 Provincial Controls
 Westburne Lytle
 Hardie Industrial Services Inc.

Manufacturer / Tradename

GLA Elettroniva
 Global
 GMD
 GO Proximity Switches
 GO Regulators
 GP:50 New York Ltd.
 Gralab
 Granucor
 Granuflow
 Granumet
 Graseby / STI
 Great Plains Industries
 Greyline Instruments
 H. O. Terice
 H.D. Baumann Control Valves
 Hammel Dahl
 Hancock
 Hanna Instruments
 Hansen Quik Connects
 Hartman-Technica
 Hartmann & Braun
 Hattersley Heaton Bellows Sealed Valves
 Hedland
 Heise
 Herasus Sensors
 Hewlett Packard
 Hex Valve
 Hiltcraft
 Hitachi
 Hitachi - Oscilloscopes
 Hoffer Flow Controls - USA
 Holaday Industries
 Homestead Valves
 Honeywell
 Honeywell - Controllers
 Honeywell - Controllers & Recorders
 Honeywell - Recorders
 Honeywell - Recorders
 Horiba
 Huntron
 Hy-Cal
 Hydri
 Hydrolog
 IBM Industrial
 IC Controls
 IDEC
 IET
 Illinois Instruments
 Imi-Cash Valve Inc.
 Imperial Eastman
 Imperial Eastman
 Imperial Eastman
 Industrial Scientific Corporation
 Industrial Sensors
 Infiltek
 Ingold
 Inor
 Intelligent Controls
 Intellitron
 Intellution
 Interface
 Interlink
 International Sensor Technology
 Interscan
 Interscan
 Intertec
 Ionics Instrument Division
 Ircan
 Ishida/Craft

Local Sales Representative

SPR Controls Systems Ltd.
 Transcat
 SSCAN Technologies
 Lakeside Controls
 Sarnia Piping Specialties
 SPR Controls Systems Ltd.
 Transcat
 Endress + Hauser
 Endress + Hauser
 Endress + Hauser
 CB Engineering
 Armatek Controls
 Cantrols
 U & I Supply
 Conval Equipment
 Neles-Jamesbury
 Contro Valve Inc.
 SSCAN Technologies
 Provincial Controls
 Transcat
 Westech
 Atlas Alloys
 Brian Controls
 Transcat
 SPR Controls Systems Ltd.
 Transcat
 Sharp Valve & Instrumentation
 Syber Systems Inc.
 Davis Controls
 Transcat
 Lisle-Matrix Ltd.
 SSCAN Technologies
 Atlas Alloys
 Davis Controls
 Cantech Controls
 Brian Controls
 Provincial Controls
 Transcat
 Alpha Controls & Instrumentation
 Transcat
 Davis Controls
 Cantech Controls
 Endress + Hauser
 CB Engineering
 J & M Engineering & Sales Ltd.
 elenex Ltd.
 Transcat
 Veronics
 G.L. Stebbins
 Provincial Controls
 U & I Supply
 elenex Ltd.
 SSCAN Technologies
 Heaters Controls & Sensors Ltd.
 Ovantum Sales
 Westech
 Alpha Controls & Instrumentation
 SPR Controls Systems Ltd.
 Cantech Controls
 CB Engineering
 Willer Engineering
 Vermeer Engineering
 Industrial Projects
 Brian Controls
 SSCAN Technologies
 TubeTech
 Veronics
 Willer Engineering
 Atlas Alloys

Manufacturer / Tradename

ISI
IST
ITT Barton Instruments
ITT Diaflow
ITT Neo Dyn
IVO Industries - USA
J-Tec
J.M. Canty
Jacoby Tarbox
Jamesbury
JB Engineering
Jensen
Jerguson Level Gauges
Jofra
Jofra
Johnson Yokogawa
Jordan Controls
Joucomatic International
Julius Bauser - Germany
K-Tek
Kammer Control Valves
Kammer Control Valves
Kane-May
Kates
Kay Ray/Sensall
Kaye
Kaye Instruments
Keddco Mfg Ltd.
Keller
Kent Meters Inc.
Kenwood USA
Kessler Ellis
Ketema - McCrometer
Ketema - Schutte & Koerting
Keystone Controls
Kinetics Systems Corp. - USA
Kinetrol
Kinetrol Actuators
King Instrument
Kip
Kistler-Morse
Kitz Actuators & Valves
Klinger
KNF Neuberger
Kobold
Kotron
Kruss Optronic
KTM
KTM
Kurz
Kurz
LAGCO Flumes - USA
Land
Land - Analyzers
Larad
Leader
Leaderline
Leaderline
Lear Siegler
Lee-Dickens Ltd. - England
Leeds & Northrup
Legris
Legris Fittings
LEOPOLD
Lewis
LFE Instruments - USA
LI-COR
LMI
LMI

Local Sales Representative

Heaters Controls & Sensors Ltd.
SSCAN Technologies
Armatek Controls
Romatec
CB Engineering
Lisle-Metrix Ltd.
Romatec
Cambridge Controls
Romatec
Neles-Jamesbury
Transcat
Transcat
Romatec
Brian Controls
Transcat
CB Engineering
Cambridge Controls
Conval Equipment
Lisle-Metrix Ltd.
CB Engineering
Controls
Westburne Lytle
Transcat
Westech
Rosemount Instruments
Transcat
CB Engineering
U & I Supply
Campbell Scientific (Canada) Corp.
G.L. Stebbins
Transcat
Brian Controls
Brian Controls
Brian Controls
Sharp Valve & Instrumentation
Technel Engineering Inc.
Provincial Controls
Hardie Industrial Services Inc.
Industrial Projects
Brian Controls
Novatech
Atlas Alloys
Davis Controls
Transcat
Regional Process Equipment
Provincial Controls
SSCAN Technologies
Associated Valve
Regional Process Equipment
Brian Controls
Transcat
Lisle-Metrix Ltd.
Transcat
Westech
Syber Systems Inc.
Transcat
Brian Controls
Honeywell
Romatec
Lisle-Metrix Ltd.
Sarnia Piping Specialties
elenex Ltd.
Provincial Controls
Lisle-Metrix Ltd.
Transcat
Lisle-Metrix Ltd.
Campbell Scientific (Canada) Corp.
Novatech
U & I Supply

Manufacturer / Tradename

Love
 Lumenite Electronic Company
 M point
 M-System
 M-Tek
 MaCWeld
 Madison
 Madison
 Magnetrol
 MagTech
 Major
 Manobourdon
 Marsh
 Martel
 Masoneilan
 Max
 Max 1000
 MCF Ball Valves
 MCS
 MDI
 Mead
 Meeco Inc.
 Mercoind
 Meriam Instruments
 Met One
 Metrix
 Metrix Timers
 Metrosonics
 Micon
 Micro Motion
 Micromax 2
 Micronics Ltd.
 Micropilot
 Microtrac
 Mid-West Instrument
 Mid-West Instrument
 Mikron
 Milton Roy - Liquid Metronics Division
 Mini-X Purge Systems
 Mini-Z Purge Systems
 Mitsubishi
 MKS
 Mobrey
 Modulelevel
 Monarch
 Monitek
 Monitor
 Monitor Labs
 Moore Industries
 Moore Products Pressure Regulators
 MST
 MTL
 MTL IS Barriers
 Multi-Amp
 Multi-Volt
 Multitrode
 Myron L
 Nassau Instrument
 NBS
 Neles
 Neotronics
 Newman Hattersley
 Newman Hattersly
 NGI
 Nicholson
 Nil-Cor
 Nivosonic
 Nohken
 Norriseal

Local Sales Representative

Davis Controls
 J & M Engineering & Sales Ltd.
 Endress + Hauser
 SPR Controls Systems Ltd.
 Transcat
 Heaters Controls & Sensors Ltd.
 Bestobell Canada
 Quantum Sales
 Provincial Controls
 Cambridge Controls
 Alpha Controls & Instrumentation
 Sarnia Piping Specialties
 TubeTech
 Transcat
 Contro Valve Inc.
 Willer Engineering
 Leeds & Northrup, Canada
 Lakeside Controls
 Heaters Controls & Sensors Ltd.
 Heaters Controls & Sensors Ltd.
 Transcat
 Novatech
 Davis Controls
 Transcat
 Campbell Scientific (Canada) Corp.
 Transcat
 Lisle-Metrix Ltd.
 Brian Controls
 Cantech Controls
 Rosemount Instruments
 Leeds & Northrup, Canada
 Veronics
 Endress + Hauser
 Leeds & Northrup, Canada
 Brian Controls
 Hardie Industrial Services Inc.
 Transcat
 U & I Supply
 Syber Systems Inc.
 Syber Systems Inc.
 Davis Controls
 Transcat
 Bestobell Canada
 Provincial Controls
 Transcat
 Willer Engineering
 Romatec
 Brian Controls
 Armatek Controls
 Transcat
 Brian Controls
 Syber Systems Inc.
 Provincial Controls
 Transcat
 Transcat
 Bestobell Canada
 Transcat
 Transcat
 Transcat
 Neles-Jamesbury
 Transcat
 Atlas Alloys
 Bestobell Canada
 Transcat
 Romatec
 Contro Valve Inc.
 Endress + Hauser
 Bestobell Canada
 Conval Equipment

Manufacturer / Tradename

Norstat
Novalynx
Novatech Systems Group
NRC Industries
Numatics
Numatics
Nupro Valves
O'Brien Corporation
Oakton
Ogden
Ogontz
Oilgear
Oliver Valves
OMNI
Omron
Opsis
Optikon
Orange Research
Orbe Knife Gate Valves
Orion
Pacer Industries
Pacific Instruments
Pacific Scientific
Pamark Manifolds
Panalarm
Panalarm
Panametrics PCI Division
Parker
Peek Measurement
Pelican
Penberthy
Penberthy Instruments
Penny & Giles
Pepperl + Fuchs - USA
Permacal
Phipps & Bird
Phoenix Contact
PMV
PMV
PMV
Polysonic Inc.
Polytronics
Porter Instrument Co. - USA
Powers Process Control
Powers Process Control
Precision Digital
Preferred Rimcor Inc.
Preso
Presto Flow Meters
Pribusin
Pribusin Inc.
Progeny
Promac
Promag
Promass
Proquip
Prosonic
Provincial Instrument Housings
Provovox
Proximity
Proximity Control
Psytronics
PTC
PTC
Pulsafeeder
Pyramid
QSDM
QSDM
Quad

Local Sales Representative

Davis Controls
Brian Controls
Novatech
SSCAN Technologies
Provincial Controls
elenex Ltd.
Huron Valve & Fittings
CB Engineering
Transcat
Heaters Controls & Sensors Ltd.
Cantech Controls
Bestobell Canada
Sarnia Piping Specialties
Westech
elenex Ltd.
SSCAN Technologies
SSCAN Technologies
Provincial Controls
Atlas Alloys
Transcat
Transcat
SPR Controls Systems Ltd.
G.L. Stebbins
Provincial Controls
Cambridge Controls
Willer Engineering
Veronics
TubeTech
SPR Controls Systems Ltd.
Transcat
Brian Controls
Hardie Industrial Services Inc.
Cantech Controls
Lisle-Metrix Ltd.
Provincial Controls
Transcat
elenex Ltd.
Atlas Alloys
Regional Process Equipment
Romatec
SPR Controls Systems Ltd.
Transcat
Lisle-Metrix Ltd.
Conval Equipment
Heaters Controls & Sensors Ltd.
Armatek Controls
Vermeer Engineering
Willer Engineering
J & M Engineering & Sales Ltd.
Provincial Controls
Novatech
Leeds & Northrup, Canada
Transcat
Westburne Lytle
Endress + Hauser
Spec Sarnia Limited
Endress + Hauser
Provincial Controls
Lakeside Controls
Bestobell Canada
Provincial Controls
Cambridge Controls
Brian Controls
Transcat
Romatec
Romatec
Alpha Controls & Instrumentation
Willer Engineering
TechTranscat

Manufacturer / Tradename

Qualimetrics
 Quantum
 R.M. Young
 Ralston
 Ralston
 Ray
 Raytek
 RCM Industries
 RdF
 REBS
 REK RKC
 Research Control Valves
 Resistoflex
 Rexcon
 RG
 RIMCO - Raingauges
 Ring-o Valves
 RIS
 RMS Instruments - CDA
 Robbins Myers
 Roberts Mfg. Inc.
 Robertshaw
 Rochester Instrument Systems
 Rohrback Cosasco Systems
 Ronan
 Rosemount
 Rosemount Analytical
 Rosemount Analytical
 Rosemount Combustion Control
 Rosemount RS3 Systems
 Rotomation
 Rotronic
 Royce Instruments
 Ruska Instrument Corp. - USA
 Ruskin (Control Dampers)
 Rustrak
 S.P.S. Instrument Services
 Sarasota
 Scanivalve Corporation - USA
 Schlumberger
 Schrader Bellows
 Scully Electronic systems
 Seacor
 Sealed Unit Parts
 Senior Flexonics
 Sensall
 Sensidyne
 Sensidyne Gas Monitors
 Sensortech Systems Inc.
 Servomex
 Setra
 SfereRegional
 Shand & Jurs
 Shimadzu
 Shimpo
 Sieger
 Siemens
 Siemens Process Analyzers
 Sierra Monitor
 Sierra Monitor
 Signet Scientific
 Signet Scientific
 Sigrist-Photometer Co. - Switzerland
 Silometer
 Simpson
 Skinner
 Smar International
 Smartline
 Smartline

Local Sales Representative

Transcat
 Transcat
 Campbell Scientific (Canada) Corp.
 Transcat
 elenex Ltd.
 Brian Controls
 Transcat
 Cambridge Controls
 Willer Engineering
 Campbell Scientific (Canada) Corp.
 Heaters Controls & Sensors Ltd.
 Lakeside Controls
 Sharp Valve & Instrumentation
 elenex Ltd.
 SSyber Systems Inc.
 Campbell Scientific (Canada) Corp.
 Atlas Alloys
 Transcat
 Technel Engineering Inc.
 U & I Supply
 G.L. Stebbins
 Spec Sarnia Limited
 Sharp Valve & Instrumentation
 Armatek Controls
 Industrial Projects
 Rosemount Instruments
 Rosemount Instruments
 Transcat
 Romatec
 Lakeside Controls
 elenex Ltd.
 Alpha Controls & Instrumentation
 Spec Sarnia Limited
 Technel Engineering Inc.
 G.L. Stebbins
 Transcat
 Sarnia Piping Specialties
 SPR Controls Systems Ltd.
 Technel Engineering Inc.
 Sarnia Piping Specialties
 TubeTech
 SPR Controls Systems Ltd.
 Transcat
 Transcat
 Regional Process Equipment
 Alpha Controls & Instrumentation
 Novatech
 Transcat
 Novatech
 Novatech
 Alpha Controls & Instrumentation
 Process Equipment
 Sharp Valve & Instrumentation
 Novatech
 Transcat
 Westech
 Alpha Controls & Instrumentation
 Willer Engineering
 Controls
 Transcat
 Brian Controls
 Hardie Industrial Services Inc.
 Lisle-Metrix Ltd.
 Endress + Hauser
 Transcat
 Cantech Controls
 G.L. Stebbins
 Brian Controls
 Honeywell

Manufacturer / Tradename

Smith Valves
 Sno-Trik
 Solartron
 Solomat
 SOR
 South-West Meters
 Sparling
 Speedomax
 SPM
 SPS Fibre Form Enclosures
 Stabilflo
 Stahl
 Statham
 STI
 Stonel
 Strahman
 Sugino
 Swagelok Tube Fittings
 Swingwirl
 Systematix
 T.B. Woods
 TA Instruments
 Tavis Corporation - U.S.A.
 Taylor Hand Actuated Pressure Calibrator
 TDC-3000
 Techmation
 Techne
 Technipower
 Tegam
 Tegam
 Tektronix
 Tel-Tru
 Tel-Tru
 Tel-Tru Thermometers
 Teledyne Analytical
 Teledyne Combustion Efficiency Analyzer
 Telematic
 Tempco
 Tenor Industrial Control
 Testoterm
 Texas Analytical Controls Inc.
 Texas Electronics - Raingauges
 Texas Sampling Inc.
 The Electron Machine Corporation
 Theben
 Thermax
 Thermo Electric
 Thermo Electric - Calibrators
 Thermo Kinetics
 Thermo-Environmental
 Thermon
 Thermox
 Thunder Scientific Corp.
 TIF
 Time Electronics
 TLV
 Tokheim
 Torbar Flowmeters Inc.
 Tower-Gard
 Trademark Manufacturing Inc.
 Transmation
 Transmation
 Transtector Systems
 Trerice
 Tricentric
 Tripp-Lite
 TSI
 Turbo Instruments
 Tytronics Inc.

Local Sales Representative

Atlas Alloys
 Huron Valve & Fittings
 Westech
 Transcat
 Industrial Projects
 Sarnia Piping Specialties
 Brian Controls
 Leeds & Northrup, Canada
 Transcat
 Sarnia Piping Specialties
 Neles-Jamesbury
 Alpha Controls & Instrumentation
 Sarnia Piping Specialties
 elenex Ltd.
 Regional Process Equipment
 Cantech Controls
 elenex Ltd.
 Huron Valve & Fittings
 Endress + Hauser
 Willer Engineering
 elenex Ltd.
 Westech
 Technel Engineering Inc
 Transcat
 Honeywell
 Lakeside Controls
 Transcat
 Transcat
 Brian Controls
 Transcat
 Transcat
 Brian Controls
 Transcat
 Hardie Industrial Services Inc.
 Armatek Controls
 Transcat
 Willer Engineering
 Heaters Controls & Sensors Ltd.
 Heaters Controls & Sensors Ltd.
 Transcat
 Vermeer Engineering
 Campbell Scientific (Canada) Corp.
 Bestobell Canada
 Industrial Projects
 Davis Controls
 Brian Controls
 Armatek Controls
 Transcat
 Provincial Controls
 SSCAN Technologies
 Spec Sarnia Limited
 Willer Engineering
 SSCAN Technologies
 Transcat
 Transcat
 TubeTech
 Willer Engineering
 Industrial Projects
 Lisle-Metrix Ltd.
 G.L. Stebbins
 Controls
 Transcat
 Cantech Controls
 U & I Supply
 Westburne Lytle
 Transcat
 Willer Engineering
 J & M Engineering & Sales Ltd.
 Novatech

Manufacturer / Tradename

U.S. Gauge
 U.S. Gauge
 Unimeasure
 United Electric
 United Electric
 United Sciences Inc.
 Universal
 Universal Analyzers
 Universal Enterprises
 Unomat
 Unomat
 Vaccon Vacuum
 Vaisala
 Vaisala - RH, Barometric Pressure
 Valhalla
 Valtek
 Valtech
 Varec
 Variomag
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