

MAR 53

INSTRUMENT
SOCIETY of
AMERICA



SARNIA SECTION



Monthly Bulletin



AUTOMATIC CONTROL EQUIPMENT

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The Instrument Society of America

SARNIA SECTION

has as its objectives the advancement of the arts and sciences associated with the theory, design, and use of instruments in the various industries and technologies in the sarnia area.

The immediate benefits derived by the Sarnia members include the monthly publication *Instruments*, a monthly general meeting at which a qualified speaker discusses an instrumentation topic, and a winter school for instrument men who are interested in improving their knowledge of currently available instruments, as well as their servicing techniques.

Through the activities of its many committees, the main Society is striving constantly for the improvement and standardization of instruments and instrumentation techniques in the process industries. It is therefore worthy of the support of everyone to whom instruments are a livelihood.

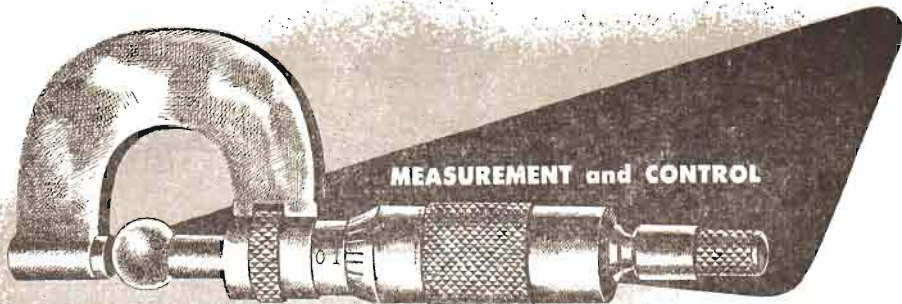
Executive Officers for the 1952-53 season are:

Honorary Chairman	MR. J. M. HACKING Plant Superintendent Dow Chemical Company
President	AMBY UPFOLD Polymer Corporation
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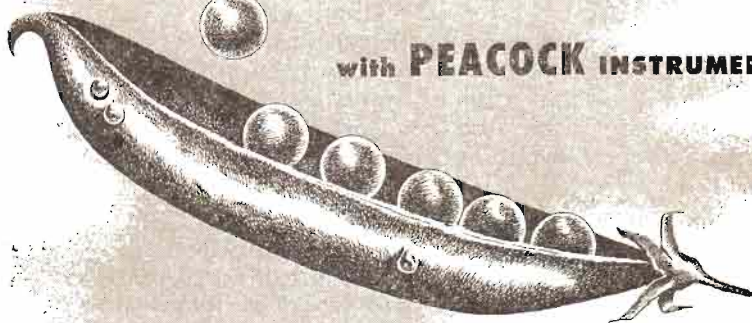
Meetings are held each month on the third Monday at 8.00 P.M. The meeting place will be Club Rooms B and C of the Sarnia YM-YWCA unless otherwise announced.

Membership dues are \$12.00 per annum for Senior Members and \$7.50 for Associate Members, and are payable to the Treasurer of the Sarnia Section.

Correspondence relating to the general activities of the Sarnia Section should be addressed to L. J. Hall, Secretary, 730 Talfourd St., Sarnia. Correspondence concerning programs should be sent to J. R. Connell, Program Chairman; P. O. Box 233, Sarnia.



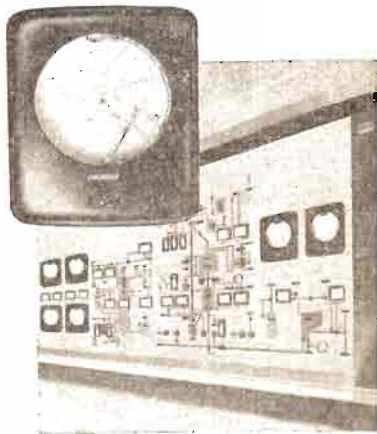
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Section News

Vol. 2, No. 7.

March, 1953.

NATIONAL OFFICE CORRESPONDENCE

We have recently had some confusion with regards to our correspondence with National Office, a small part of which was due to the negligence of some of our members failing to inform the Section Secretary, Larry Hall, of the nature of their complaint in time for him to take the necessary action with National Office. It would be appreciated if you have any trouble such as failing to receive your copy of INSTRUMENTS magazine, your renewal of membership, wrongly addressed mail or other such common complaints, that you get in touch with Larry Hall as soon as possible. His address is listed in this Bulletin and his phone number is in the directory and on our letterheads. Or, if you are employed at Polymer, Dow, Imperial Oil or Canadian Oil, tell your troubles to your Company Representative whose name is listed in the back of this Bulletin.

TRIP TO LABATTS

The Sarnia Section is taking a special out-of-town trip to the plant of John Labatt's Brewery at London, Ontario on Monday, April 6th., 1953. Two special buses will leave the bus station at 6 P.M. carrying a maximum of 70 members. Tickets are being printed and will be available shortly from your Company Representative. Please note that this will not take the place of the regular April meeting, which will be held on Monday, April 20th. The trip has been arranged by the Special Events Committee under the chairmanship of Tom Needham.

This space in memory
of those of our
members
who have not
paid their dues

WRITTEN ON A ROLL CHART

"THE GRASSHOPPER AND THE CRITIC"

SCENE I: A July afternoon, A beautiful control room in course of construction. In the background, construction workers performing lethargic, pointless movements. Front and centre, a well-dressed individual whose air of keen authority and roll of blueprints identify him as the proprietor. Enter a nondescript figure who speaks:-

Fig:- "Hail, O Master, I would have some speech
with thee.

Master: Say on, O Graybeard,
Reveal to me the trifling paltry matter
That occupies your feeble intellect
And buzzes in your bonnet like a hornet
Knowing not where to light.

Gray: Good Sir, this matter is exceeding grave
And much concerns the future of us all.
Pray, cast your eyes toward yon forest glade
Where, sweltering on this ghastly, humid day
Construction workers toil to erect
Our own accounting station, As they work
They constantly refer them to a plan
Which, I see here a copy. On this sheet
Are crowded an infinity of errors
At sight of which, the comrades of my youth
Who take a careful interest in accounting,
Would helpless roll upon the very earth
Clutching their sides in gleeful merriment.
Consider first the leg lines; here they run,
Exactly do they parallel the ground,
Broken at times by rises vertical -
A miracle of fine Geometry,
Whick any teacher of a draughting class
Must haste to recommend. Indeed, Good Sir,
This is a grave mistake. These Instruments

Can neither vent nor drain, and any gunk
Which enters from the line, may lodge
At its own pleasure. I further note
The serious absence of a goodly means
Of warming these fine meters. Winter winds
Will turn yon glade into an Artic waste.
Perhaps a steam line?

Master: Hush, O ignorant.

Advancing years have addled all thy wits.
No more of this, I shall explain to thee
The many reasons why these Instruments
Must go in as the drawing indicates.
First, the products that we send and
That we get, will be surpassing pure.
Pure gases, liquids need not vent nor drain.
Second, your fear of freezing is ridiculous.
We handle nothing that is freezable.
Third, our budget for this splendid metering
Has now been reached; not one penny more
Will e're be spent to desecrate perfection.
One final thing, O dolt; this masterpiece,
This subject for your evil criticism
Was drawn by my wife's brother, who
(Retired from the Chiropractic trade)
Lurks in the Drawing Office. To alter
Half a line would risk a blast
Of shrewish female temper. Enough,
O senile one. Go on thy way.
Trouble not with matters too profound
For thy ill-founded judgment -
Have you no work to do?

Here, Graybeard hastily picks up a large wrench
and slinks off. M. returns to a study of the
prints. The construction workers watch the
clock and furtively nibble at sandwiches. The
curtain falls.

SCENE II: A January night. A brightly lighted Control Room. Outside, a howling gale. A group of operators nervously scanning the board, leaving on short mysterious errands, uttering muffled cries as they go. Foreground, the proprietor from Scene I, pacing rather more nervously than the others. Enter two tattered, grimy characters accompanied by a blast of snow. One of them speaks:-

Graybeard: Right pleasant is the clanging radiator
 And doubly so to one but late returned
 From yon accounting station. I believe
 This windy corner must by much exceed
 The misery of far Slabbovia.
 Good Sir! A moment spare us if you please
 Tonight's report is very sad indeed,
 The Instruments surrender one by one
 And cease accounting. Their silvery blood
 Gushes from many a ruptured artery.
 Their gaskets are no more. Their poor
 Distorted shapes would wring a cry
 Of pity from a former Chiropracter.
 I fear that many cubic feet
 Are flowing back and forth through the lines
 Unheeded, unrecorded by them all.
 Perhaps when Spring returns to us once more,
 And Arctic whirlwinds cease to torture them,
 These meters will record. Until such time
 Our feeble efforts are of no avail.

Master:- Too long indeed, I've suffered patiently
 Your gloom, your misery and your sad
 complaints.

Results are what I want and not excuses.
 Consider well these charts, but lately brought
 From our accounting station. Here you see
 The pens are writing far more frequently
 Next to the hub, or far away beyond

The outer rim. This type of thing
Is clearest proof of sloppy maintenance.
You say to wait to Spring; this cannot be;
These Instruments are needed toute de suite.
So, now begone, and show yourself no more
Until they are in service. I am sick
Of gazing at your wizened countenance.

Graybeard: So be it. Come, my friend, -
(This, turning to his companion)
Once more we brave the terrors of the night,
Though I am clad in sundry ragged clothes
Which flutter wildly like the Autumn leaves,
And ill-protect me from the frigid winds.
You never would suspect to look at them
That they were once a full-dress handsome suit
Bequeathed me by McKay. His cast off rubbers
Flop about my feet. I wear them
Out of ancient sentiment.
Again we must attack that glacier,
You with steam-hose, I with lusty axe.
And never may we falter, flag, nor fail
Until our goal is reached. Imagine, if you will
That yonder glittering iceberg doth contain
An unpaid member of the I.S.A.
O, such a thought will make you ply the hose
With greater frenzy. Out we go again
To make repairs that we did yesterday,
And must again to-morrow. Courage then
And let our sense of duty bravely done,
Conceal all thoughts of sorrow.

(Exit the two mechanics. From outside the roar of
steam, crashing noises, assorted groans and sobs.
The operating crew gaze fixedly at an Instrument,
then dash out in a body screaming to each other,
"It's the Blower!")

The End

(WRITTEN ON A ROLL CHART - CONT.)

Note: Places, characters and events in the foregoing are entirely fictional and have no reference to persons living, hibernating or dead.

(Signed) H. Hobbs.

PROGRAM CHAIRMAN'S REMARKS

The subject for our March meeting is one which is close to all of us; so close in fact that it is almost incredible that it has not been discussed by H. Hobbs in "Written on a Roll Chart". It concerns force balance differential pressure cells, and problems with their use and design.

There are not many of us who have not been exposed to some of the problems. To discuss the design features, we have invited Mr. Henry Stoll of the Taylor Instrument Companies to be with us. Henry is one of the senior members of the Taylor Application Engineering Department and all flow measuring devices come under his jurisdiction.

If you have been wondering why force balance cells act the way they do instead of the way you want them to, be sure to be around on March 16th.

Arrangements for our film are not quite complete, so that we cannot give you the title at this time.

B. Connell,
Program Chairman.

MEETING NOTICE

DATE: March 16, 1953.

PLACE: Sarnia Y.M. - Y.W.C.A.

TIME: 8:00 P.M.

SPEAKER: Mr. Henry Stoll,
Application Engineering Dept.,
Taylor Instrument Companies,
Rochester, N.Y.

TOPIC: "The Design and Construction of
a Force Balance Differential
Pressure Cell"

FILM: Naturally



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Industrial controllers represent the principal line of Honeywell's Brown Instruments Division . . . instruments that record, indicate, and/or control temperatures, pressures, humidity, fluid flow, liquid level, moisture content, acidity—practically any variable element of production, research, design, testing and accounting functions.

Honeywell Industrial Valves and a long list of other primary control elements form an important part of the Honeywell family. To serve industrial users, a large variety of instrument literature on products and applications is available on request. Of specific note is a list of several hundred Instrumentation Data Sheets covering particular applications of instruments. In addition a quarterly instrument magazine is published for interested engineers to keep them abreast of new instrument developments and the latest applications; and also a tabloid type bi-monthly paper called Industrial Control News, covering smaller control devices and their application.

Write today for a current list of IDS application sheets or to be put on the mailing list to receive Instrumentation or Industrial Control News. These service publications will be sent to you regularly without cost or obligation.

Minneapolis Honeywell Regulator Co., Ltd., Leaside, Toronto 17.

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Ron Asselstine
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MEMBERSHIP

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Ross Lindsay

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EDUCATION

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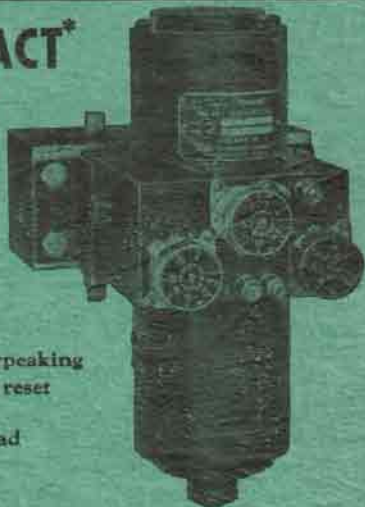
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2. Benefits of automatic reset without its evils.
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^{*}Trade-Mark



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