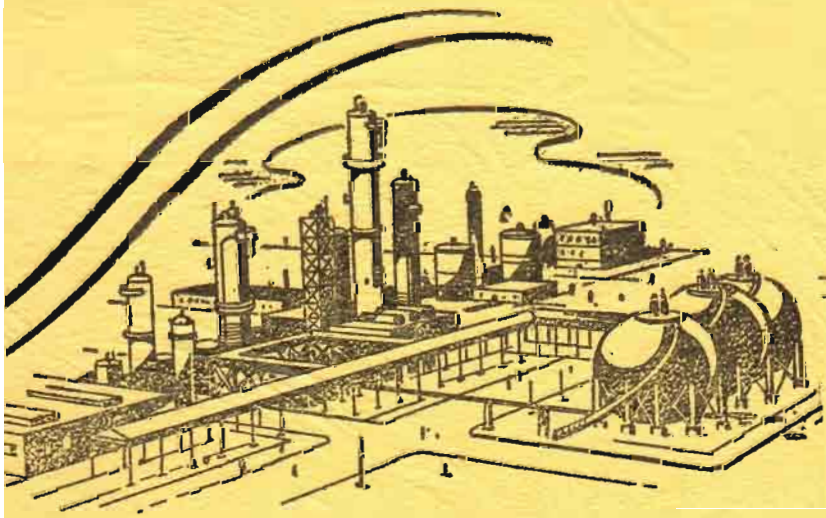


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INSTRUMENT
SOCIETY of
AMERICA



SARNIA SECTION



Monthly Bulletin



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 national 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 1953-54 season are:

Honorary President	MR. G. E. EVANS Tech. Supt. Polymer Corp.
President	WARREN McKAY Polymer Corp.
Vice President	JACK HEATLEY Imperial Oil Co.
Secretary	LARRY HALL Sun Oil Co.
Treasurer	EARL EVERINGHAM Polymer Corp.

Meetings are held each month on the fourth Monday at 8.00 P.M. The meeting place will be the Sarnia Y.M.-Y.W.C.A unless otherwise announced.

Membership dues are \$12.00 per annum for 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 H. Kohlmeier, Program Chairman, Polymer Corp., Ltd., Sarnia, Ontario.



It was not so very long ago that accurate measurement of industrial processes depended entirely upon laboratory instruments. These instruments however, laboured under severe limitations for while they were extremely sensitive they were correspondingly delicate. Their mechanism could not withstand the corrosive atmosphere, shock, heat and vibrations characteristic to many of our industrial processes.

It is much different today. There are very few processes that cannot be accurately measured. Much of this can be attributed to the diligence of Honeywell research engineers who found a way to put the science of electronics to work in industrial measurement. From 1940 on, Electronic instruments swept away all earlier limitations. With this new approach of electronic continuous balancing, sensitive precise measurement was possible with rugged compact instruments. The production man now had at his fingertips accurate reports through quickly responsive and consistently reliable instruments.

To keep industrial users abreast of new developments, techniques and products, Honeywell has on hand an extensive supply of literature that is available on request. There are several hundred Instrumentation Data Sheets covering particular applications. Also of interest is Instrumentation a quarterly magazine containing articles covering interesting installations. Industrial Control News, a bi-monthly describes small control devices and their applications.

Write today for a current list of I.D.S. 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.

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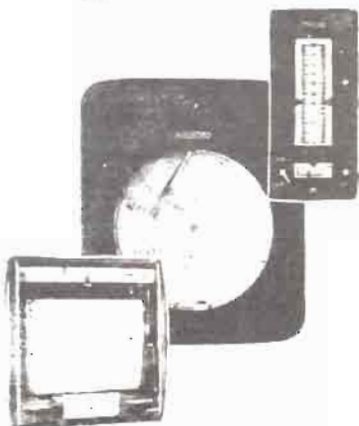


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The "BULLETIN"

VOLUME 3 No. 5

FEBRUARY 1954

Editor: Larry Hall
Asst. Editor: Ross Lindsay

Circulation Manager: A. Upfold
Advertising Manager: H. Kohlmeier

Illustrator: N. Knowles

"Written on a Roll Chart": H. Hobbs

JANUARY MEETING

The January meeting of the Sarnia Section, I.S.A. was held at the Lauth Hotel in Port Huron with 62 members and visitors present. A cocktail hour and a dinner for the present and immediate past executives was given by the sponsors, Minneapolis-Honeywell Regulator Company, Limited, of Toronto.

Harry Wilton acted as host and introduced the speaker, "Mrs." S. P. Higgins, manager of the Servo Laboratory of the Research and Development Section of the Minneapolis-Honeywell Company of Philadelphia. Apparently, in a telegram that Harry got from Philadelphia, someone had erred and Harry fully expected to see a lady arrive in Port Huron, whom he was expected to entertain until the meeting. Harry—and the rest of us too—were disappointed when Mr. Higgins turned up, but not for long. Mr. Higgins demonstrated his amazing piece of apparatus, the "Pneumatic Analog Process Panel" and clearly and briefly explained the few formulae that went along with it. I don't know if I got the drift of things too well, so if the controllers at the new Sun Oil Refinery are acting very strangely, it might not be Steve's formulae that are at fault—just my interpretation of them! The darn things do work though and I've had a lot of fun trying them out on start up at Sun.

LOCAL CARTOONIST ACHIEVES FAME

Our cartoonist, Knobby Knowles, whose efforts have been appearing in our Bulletin since we started to print it attracted the notice of National Office recently and they wrote and asked Knobby for permission to publish some of his work in the new I.S.A. Journal. This was done and if you look on page 64 of the January issue of the journal, you will find one of Knobby's cartoons appearing. We are glad to see his work recognized by the national body and hope to see more of his creations appear in the I. S. A. Journal. It is a question of which draws the most attention now; Knobby's cartoons or Howard Hobbs' soliloquies. I know this stuff is read only by me and the printer, but I have to fill up our eight pages somehow, and, we wouldn't want a whole issue of funnies, would we fellows? (Any letters to the Editor in favor of this will be censored).

TECHNICAL BOOKS TO THE LIBRARY

Your executive has been considering requesting the Sarnia Section, I. S. A. to donate some technical publications on instruments to the Sarnia Library which has none too many. Ken Goldring, our best read instrument man has been asked to compile a list of instrument publications for the guidance of the executive in this matter. I suppose it's too much to hope that our Bulletin would be on the list?

THE I. S. A. JOURNAL

By now, every member who has his dues paid up will have received his copy of the new publication: "The Journal of the Instrument Society of America", January 1954 issue. This will replace the magazine "Instruments and Automation" as each member's 1954 anniversary rolls around. Until then, he gets both as a part of his membership fee. The January issue, the first, is a 64 page job. and is a first class piece of work, especially since it is realized that the Editorial Board expected to have until September, 1954 to prepare the first issue. How they did get it out at all by January is a miracle to me. I have one H—of a time getting this little booklet out by the deadline every month and I know just what they are up against when it comes to getting out a work of this size. Of course, it will improve as time goes on, and one of the departments I'd like to see expanded is "Local Section News". Now, Mr. Covey, don't throw that paperweight! I know I didn't send in any news from the Sarnia Section, but you see, I've been too busy on my own paper and being as lazy as the next man, I hoped you would just copy what you wanted out of our Bulletin. In case you wondered, it isn't copyrighted, so go ahead and use anything you see fit to print. Our hearty congratulations to Charles Covey, acting Editor, and to Percy V. Jones, Jr., who—how he does it I don't know—acts as advertising manager and also managing editor. May our publication prosper.

YOUR TELEPHONE COMPANY AND TELEVISION

The Polymer Recreation Club has issued an invitation to I.S.A. members to attend a meeting of their club on February 18th, 1954 at 8.00 p.m. in the Club Rooms (over Polymer Cafeteria). Mr. E. C. Forster, Bell Telephone representative will describe how the microwave radio relay chain of the Bell carries live television programs between Toronto, Ottawa and Montreal in an address entitled:

"Your Telephone Company and Television"

The talk will be illustrated by equipment showing the development of television communications, and will show the "Nipkow disc", first step in the engineering of television.

The speaker will also illustrate how microwaves—radio waves of exceptionally high frequency—are used simultaneously to carry telephone conversations as well as television programs through the air-planes. The talk will demonstrate the unusual characteristics of microwaves and Mr. Forster will transmit voices and music over a miniature system.

EMPLOYMENT SERVICE

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By MacMillan & Bloedel Limited, Harmac Pulp Division, Nanaimo, B.C. An "A" class instrument mechanic is wanted immediately by the above firm, a Sulphate Pulp Mill, located 8 miles southeast of the city of Nanaimo, British Columbia, across the strait from Vancouver. Rate of pay for a qualified man is \$2.09 per hour, overtime at time and a half, with a 40 hour work week. Instrument men are at present working straight days, but "shift work could develop at some future date". Employees are covered by the usual benefits of hospital and surgical insurance, life insurance and pension plan plus out of work benefits due to sickness or off the job injury under the "Employees' Mutual Benefit Plan". The benefits are paid for by both the company and the employee.

If interested, please write Mr. D. Gray, Personnel Supervisor, MacMillan & Bloedel Limited, Harmac Pulp Division, P. O. Drawer 18, Nanaimo, B.C., or contact Larry Hall, Employment Chairman, Sarnia Section, I. S. A.

MEMBERSHIP CHANGES

Please make the following changes in your January issue of the Bulletin under "Membership List".

NEW MEMBERS: Mr. Richard Rimbach, Publisher, Instruments Publishing Co., 845 Ridge Avenue, Pittsburgh 12, Pa.

We are happy to welcome Mr. Rimbach as an affiliate member of the Sarnia Section. Mr. Rimbach has had a long and distinguished career in the I.S.A. being one of its founders and Executive Secretary from 1946-51. We feel it an honour to include him among our membership:

ERRATA: Ayer, Douglas, 63 Rowenwood Ave., Toronto, Ontario.

Hillis, Earl E.; Robert Street, Petrolia, Ontario.

(The above members' names were inadvertently omitted from the list)

WRITTEN ON A ROLL CHART

"The Legacy"

Scene I.

A large control room. Operators engaged in their many duties, watching the instruments, holding small conferences, entering and leaving by several doors. Enter two figures, who stand, front and centre, well back from the panel, away from the line of heavy traffic. One, a youth, displays an eager, aggressive manner and a generally attractive appearance. The other, much older, and rather seedy, seems to blend, in the manner of a chameleon, with every background. He gives an impression of unobtrusiveness.

Graybeard speaks.

"How warmly doth the sun come slanting in.
His friendly beams right well illuminate
This long-familiar scene. It augurs well
That this first day you join our little group
Should dawn so fair. I trust this omen means
Your new career will be a pleasant one.
Your usefulness increasing day by day
Your knowledge, like a sprouting melon-seed,
Must grow to compass many varied things.
And matters seeming not in any way
Connected with our fascinating trade—
Your formal education is complete,

(And rather more extensive than my own)
 Your sheepskin with its signatures and seals
 Attests your academic aptitude.
 I gladly give this training its full due.
 As well one should if he is left awlirl.
 By sums more difficult than three times three.
 Now hearken to me yet a little while,
 I am the product of a different school.
 Hard knocks have twisted this once-manly frame,
 Cruel cares have taken ghastly toll of me
 This wan and wrinkled brow, this springless step
 Are badges of long service. I've profited
 From every good or bad experience.
 And having sifted each and every one
 Have boiled them down into a set of rules
 By which I here and now conduct myself.
 I know the humble station I abide
 Is but the very lowest stepping-stone
 In your potential climb. You'll soon proceed
 To grander, higher, more important things,
 Where my advice may seem of little use,
 But, on your way, may save you buffetings.
 Take what you will, or cast it all aside
 These morals I have gleaned are all well tried."

Youth

"Say on, O Graybeard, tell me your belief
 But, mercy on my patience, keep it brief."

Graybeard

"Now supervisors are a race apart
 A harassed, strugglina, worried, thoughtful group
 They show concern about the instruments
 And fret about their grave discrepancies.
 Oftimes they sally from their nearby den
 Slide-rule in hand and corrugated brow
 Perplexed by some grave matter. Desperate for
 An answer, they will grasp at any straw.
 I'm armed with goodly straws in heaps and stacks
 But every one is firmly labelled **facts.**"

Youth (aside)

"To reach an end of this I do despair
 Will this old windbag ever stop for air?"

Graybeard

The operators are a motely crew
 In size and shape and every pedigree
 But each and every one of them is prone
 To blame all upsets on the instruments.
 Now we must intimately live with them
 Rather more than many a married pair,
 So it behooves us to conciliate
 And keep a spirit of close harmony
 Among us. Their evil gibes
 And accusations of the instruments,
 Distasteful though they be, must be endured.
 My policy has ever been with them,
 To never argue, bicker or dispute
 By methods more effective, if oblique,
 Their loudest howls and whines do, I refute.
 My look of pained and patient resignation
 I've practiced at the mirror many years.
 I listen to their groans with rapt attention
 Fantastic theories I absorb with ease
 For all the while they shower me with details,
 The instruments have time to smooth things out.
 So Operators, much like little children
 Respond unto the dignified appeal
 And calmness better far than tools or textbooks
 And patience surely beats misguided zeal."

Youth (aside)

"Alas, I am snowed under with his words
 This ancient one is strictly for the birds."

Graybeard

"Scarce have I touched upon this lengthy subject
 But time does not permit us any more
 Grim duty calls, we must about our business
 Please telephone me from the topmost floor."

Youth departs with field telephone, Graybeard approaches
 panel unreeling wire as he walks and stands listening to handset.
 Curtain falls.

—H. Hobbs

MEETING NOTICE

DATE: Monday, February 22nd, 1954

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

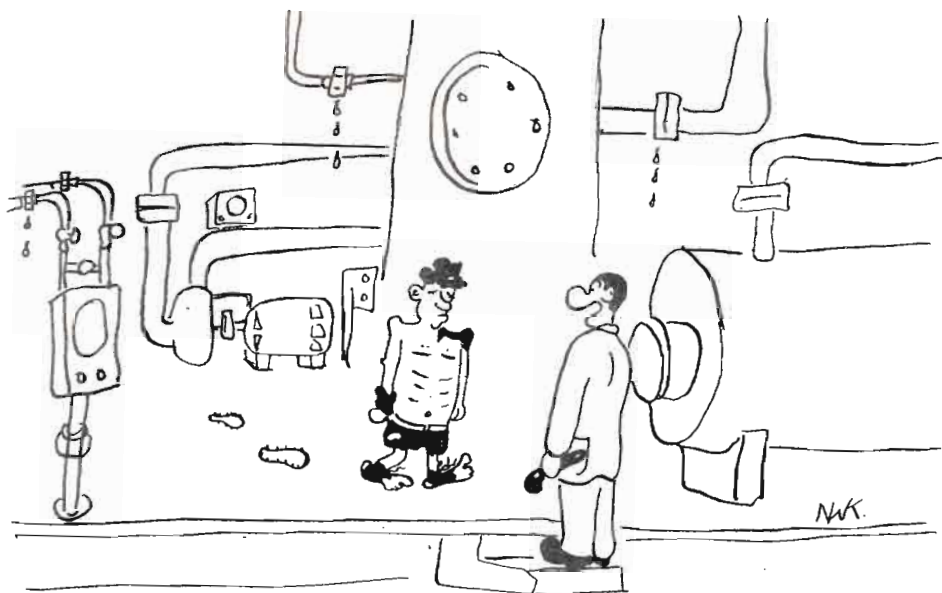
TIME: 8.00 P.M.

SPEAKER **Mr. J. W. Graeb,**
Chief Instrument Engineer,
Engineering Division,
Imperial Oil Company, Limited.

SUBJECT: **"OIL PIPE LINES AND THEIR CONTROL"**

Film — Refreshments

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SEE! I TOLD YOU THERE WAS
A LEAK OVER BY THAT ACID
METER.



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ME HAVING LEAD IN MY PANTS-I
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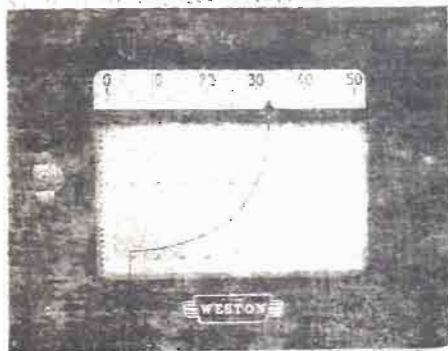
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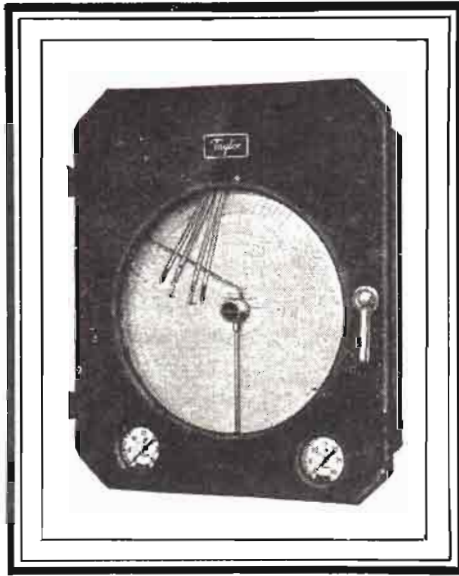
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For information concerning instruments for indicating, recording and controlling temperature, pressure, flow, liquid level, speed, density, load, weight and humidity, ask your Taylor Field Engineer or write Taylor Instrument Companies of Canada Limited, P. O. Box 87, Station D, Toronto.

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Canadian Oil Company	Gordon Humphrey
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