

Nov 54

INSTRUMENT
SOCIETY *of*
AMERICA



SARNIA SECTION



Monthly Bulletin



The Instrument Society of America

SARNIA SECTION

has as its objective the advancement of the arts and sciences associated with the theory, design, and use of measuring and control instruments in the various industries in the Sarnia area.

The immediate benefits derived by the Sarnia members include a monthly meeting at which a qualified speaker discusses an instrument subject, after which members fraternize with other instrument men and interchange ideas and news at a social hour, a subscription to the "I.S.A. JOURNAL", a subscription to the Sarnia Section "BULLETIN", access to all technical data, servicing techniques and standardization policies developed by the National Committees of the ISA and an annual school for mechanics and technicians.

As a member of the National body of the Instrument Society of America, a rapidly growing and influential technical society, the member partakes indirectly in the progress of instrumentation made possible by the work of the various National Committees.

Executive Officers for the 1954-55 season are:

Honorary President	H. R. HOLLAND, Tech. Supt. I. O. L.
President	JACK HEATLEY Imperial Oil Limited
Vice-President	LARRY HALL Sun Oil Co. Limited
Secretary	BOB BRAYNE Cabot Carbon of Canada Limited
Treasurer	RON ASSELSTINE Canadian Oil Refineries Ltd.

Meetings are held on the fourth Monday of each month from September to May inclusive at 8.00 P.M. The meetings are held at the Sarnia Y.M.-Y.W.C.A. unless otherwise announced.

Anyone earning his livelihood through the manufacture or use of instruments and who is acceptable to the executive body may become a member of the Sarnia Section, I.S.A. Dues are \$12.00 per annum. Associate Members are those who are associated with instruments but who do not earn their livelihood directly from them, such as stationary engineers, process operators, etc. Their dues are \$7.50 per annum.

Correspondence relating to the general activities of the Sarnia Section should be addressed to the Secretary, Mr. R. F. Brayne, R. R. No. 1, Mooretown, Ontario. Dues should be made payable to the Sarnia Section, Instrument Society of America and sent to the Treasurer, Mr. R. Asselstine, 891 Burr Street, Sarnia, Ontario.

Correspondence concerning programs should be sent to the Program Chairman, Mr. H. Kohlmeier, 352 Stuart Street, Sarnia, Ontario.

Copy for "THE BULLETIN" should be sent to the Managing Editor, Mr. L. J. Hall, 730 Talfourd Street, Sarnia, Ontario.

COMPANY REPRESENTATIVES FOR 1954-55

Imperial Oil Limited	Joe Woodcock
Polymer Corporation	Tony Plazek
Canadian Oil Refineries	Fred Croft
Dow Chemical Company	Jack Almey
Sun Oil Co. Limited	Jack Warwick

COMMITTEE CHAIRMEN FOR 1954-55

NATIONAL DIRECTOR	EMPLOYMENT	HOUSE
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PROGRAMS	MEMBERSHIP	PUBLICITY
H. Kohlmeier	Joe Woodcock	Larry Hall
EDUCATION	FILMS	SPECIAL EVENTS
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MANAGING EDITOR "BULLETIN"
Larry Hall

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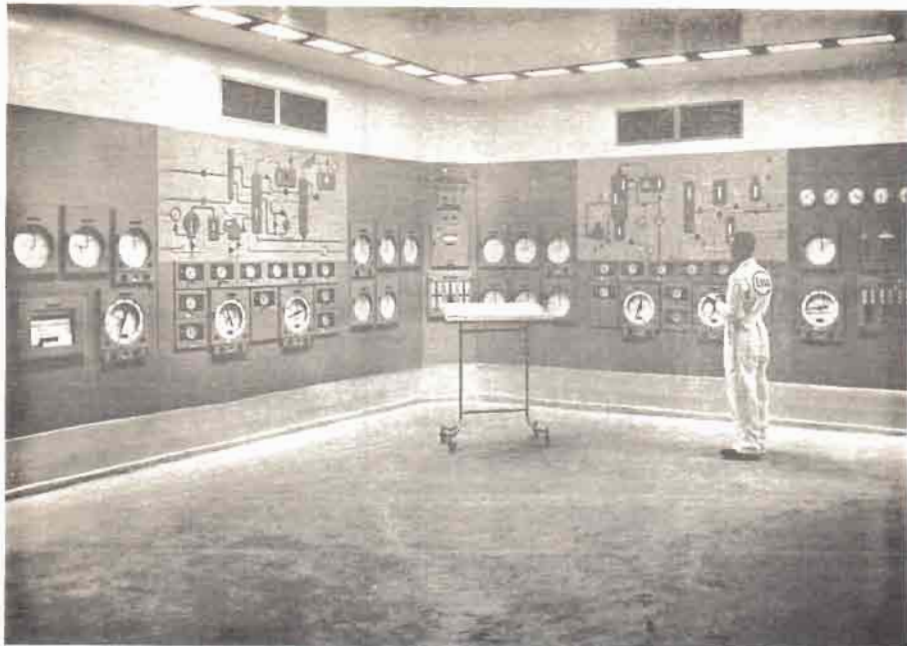


Photo — Courtesy of Imperial Oil Limited

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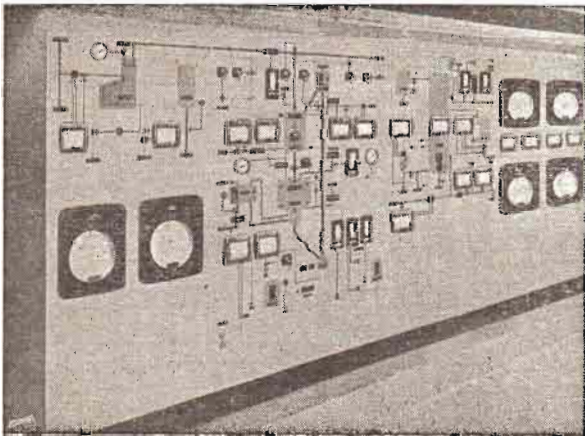


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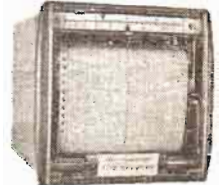
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The "BULLETIN"

VOLUME 4 No. 3

NOVEMBER 1954

Managing Editor: Larry Hall

Illustrator: N. Knowles

"Written on a Roll Chart": H. Hobbs

Polymer Reporter: Tony Plazek

I.O.L. Reporter: Joe Woodcock

Canadian Oil Reporter: Fred Croft

Dow Reporter: John Almey

THE OCTOBER MEETING

About thirty members and visitors attended the October meeting at the "Y", which was sponsored by "Process Instrument Systems Limited". After a movie entitled "Strange Fish I Have Met", the Program Chairman, Harold Kohlmeier, introduced the speaker, Mr. Frank W. Kearney, Field Engineer with the Bendix Aviation Corporation of Cincinnati, Ohio, who gave an interesting talk on the "Ultraviscison", an instrument recently developed by the Bendix Aviation Corporation for the continuous measurement of viscosity by the use of ultrasonic vibrations. Mr. Kearney illustrated his talk with a number of slides.

Basically, the Ultraviscison consists of a metallic reed extending into the sample. The reed is surrounded by a coil. When electrically energized, the coil sets up a

magnetic field which causes the reed to lengthen. After the pulse stops, the reed vibrates at 28,000 cycles per second until it is damped out. As soon as the dampening effect slows the vibration down to about five percent of the original amplitude, another pulse is initiated by the controller through the coil. By measuring the frequency of the pulses necessary to keep the reed vibrating, the controller can determine the viscosity of the sample. This is translated into a millivolt signal and measured by a Brown or other type potentiometer.

The speaker was asked a great number of questions about this new device and was finally cut off by the president. The speaker was thanked by Lyle Williams and the meeting adjourned for refreshments.

SPECIAL MEETING

A special meeting to discuss recommendations for the Sarnia Section of the National Executive was held at the Colonial Hotel on Monday, November 15, from 8 p.m. to

10.30 p.m. with about 30 members in attendance. President Jack Heatley acted as chairman.

Several recommendations for the consideration of the Executive

Council were adopted and will be forwarded to them by the Secretary. Briefly, they were:

1. That the Sarnia Section oppose the suggested initiation fee.

2. That the Sarnia Section support a reinstatement fee for lapsed members of not more than a dollar.

3. That the \$2.00 included in the membership fee for the subscription to the "Journal" be removed and made optional for members to subscribe.

4. That the "ISA Journal" be made entirely self-supporting financially including the new Editor's

salary by obtaining sufficient advertising. Failing this, that the Journal be dropped.

5. That the present policy of the Canadian Sections of having a local Treasurer to look after all members, collect fees and submit them monthly to the National Office be instituted by the United States Sections, and that the National Office staff be drastically reduced, as will be possible if the local sections do this work, and the savings be passed on to the local sections as a substantial reduction in membership fee.

SUN OIL TOUR

The Special Events Committee arranged a tour of the new Sun Oil Company Refinery on No. 40 Highway in Sarnia for Wednesday, November 3, 1954. Forty-two members and visitors attended. Vice-president LARRY HALL acted as chairman for the evening and was assisted by RED HAWKES, TOM DAVIDSON, RON CAREY, BOB HUNT, DICK ROSE and JACK WARWICK all of the Sun Oil Instrument Section. The Manager of Sun Oil Refinery, GORDON HENDERSON and the Superintendent FRANK BOWEN also attended and made speeches of welcome. Supervisor ROY DOWDING assisted as guide.

The guests assembled in the locker room, then were taken to the Instrument Shop where they were officially welcomed. Follow-

ing this, a group photograph for the "Sun News" was taken and the visitors were split up into groups of ten each and taken on a short tour of the Refinery. Visits were made to the central control room, the air compressor building, the wet gas compressor, the hydrogen compressors, the heater section and the Houdry Catalytic Cracking Unit. On the latter unit, the guests were taken to the 220 foot level by elevator and a superb view of Chemical Valley at night was obtained.

After the tour, a sound-colour movie of the drilling of the first oil well in the United States by Colonel Drake in Titusville, Pennsylvania in 1859 was shown and was followed by a light lunch. The Oil group was thanked by HEATLEY.



The annual Christmas Party will be held on Friday, December 3rd., 1954, at 8 p.m. This date is quite close to the November meeting so notice is being given in this issue of the Bulletin.

Details are as follows:

- DATE: Friday, December 3, 1954.
- PLACE: K. of C. Annex, Queen Street, Sarnia.
- TIME: 8 p.m. to ?
- PROGRAM: Social evening, games of chance, refreshments both liquid and solid and the usual entertainment.
- ADMISSION: Free to paid up members; all other will be charged \$1.00 to cover cost of lunch, etc. See your comp-any representative for further details.

MEETING NOTICE

DATE: Monday, November 22, 1954.

PLACE: Sarnia YM-YWCA
Clubrooms A and B.

TIME: 8.30 P.M. (Please note change of time).

SPEAKER: **MR. K. K. STERNE,**
Manager, Data Reduction Division,
Fischer & Porter Company,
Hatboro, Pennsylvania.

SUBJECT **"Automatic Data Logging as a Practical Link Between
Computer and Process Control".**

REFRESHMENTS

WRITTEN ON A ROLL CHART**The Ulcer House Act II.**

Scene I:

A comfortable living room. A cheerful fire burns in the fireplace at rear. Outside are noises of wind and storm, while a driving rain streams down the windows which are once in awhile brightened by lightning flashes. The only occupant of the room is an attractive young woman clad in rather daring negligee. (Miss Eartha Kitt seems an obvious choice for this part.) Background music to tune of "Annie Doesn't Live Here Anymore". She sings—

"Husband doesn't live here anymore,
Seldom hear his knock upon the door
Maybe I should tell you why
He rarely drops by
Even though I'd rather have
Another good cry
Seems the only answer is to get another guy
For Husband doesn't live here anymore.
My Husband is a Process Engineer,
Which means he is more often there than here,
The reason for his absences
I haven't much doubt,
He fears they'll find the plant will run
When he's not about.
I'm chained here like a prisoner
For I never can get out,
My Husband is a Process Engineer".

Here the phone rings and she reaches a languid arm to it.—

"Hello. Oh, it's you dear. Mail you a pair of socks? Of course I will! Good-bye." She hangs up the phone and resumes.

"Now that is all I'll hear from his to-day.
At least I know he hasn't gone astray.
Now he insists he loves me
But I can't quite agree.
I'd hate to have him choose between
A brand new pump and me.
His first love is the process
I'm afraid he'd set me free.
There's no use thinking any other way.

The curtain falls.

Scene II:

A well lighted control room. It is night and operators with respirators slung, pass in and out on their errands, consult with one another and frequently refer their problems to a well-dressed and worried individual. His haggard appearance and expression of authority stamp him as someone of importance. The worried individual steps front and centre and sings.—(In a sprightly manner)

Worr. 1:

“When I was young with much to learn,
I went to work for a processing firm.
I learned their methods so merrily
That I’m a junior leader of the in-dus-tree”

Operators’ Chorus:

He learned their methods so merrily
That he’s a junior leader of the in-dus-tree.

Worr. 1:

I’m far too busy to be bored or blue,
The times too short for all the things I do.
And that is the way that life should be,
For a junior leader of the in-dus-tree!

Operators’ Chorus:

He’s a junior leader of the in-dus-tree!

Worr. 1:

No matter how a unit’s drawn or planned
The first design is not allowed to stand.
My chief ambition each and every day,
To produce a little more in a weirder way!

Operators’ Chorus:

He’ll produce a little more in a weirder way!

Worr. 1:

I’m here at noon and here at dawn
I’m here when everyone but me is gone.
If midnight comes when I am yet half thru
I’ll stick around until the sunrise too!

Operators’ Chorus:

He’ll still be with us at sun-rise too!

Worr. 1:

In line with the normal way of life,
To conform to fashion I have taken a wife.
And a wife I am sure you will agree,
Is a very costly access-or-ee!

Operators' Chorus:

Yes! A very costly access-or-ee!

Worr. 1:

Another fact that you will all admit
I should be allowed to cut the cost a bit
The price should drop consider-ab-lee,
On any investment that you seldom see.

Operators' Chorus:

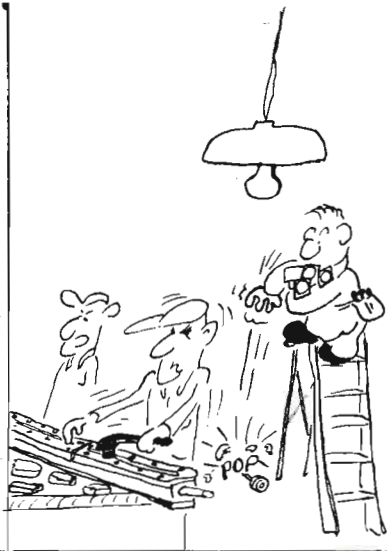
On any investment that you seldom see.

Here, an operator turns and glances at an instrument and runs from the control room shouting — "We've lost the reaction!!" All follow leaving room deserted. The curtain falls.

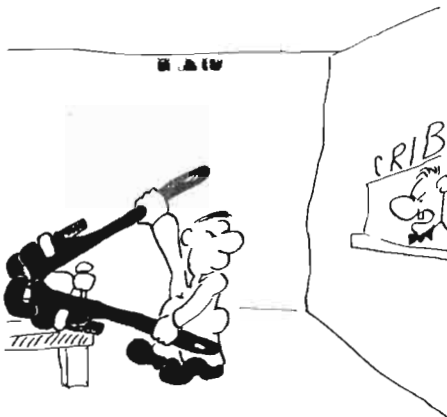
—H. Hobbs



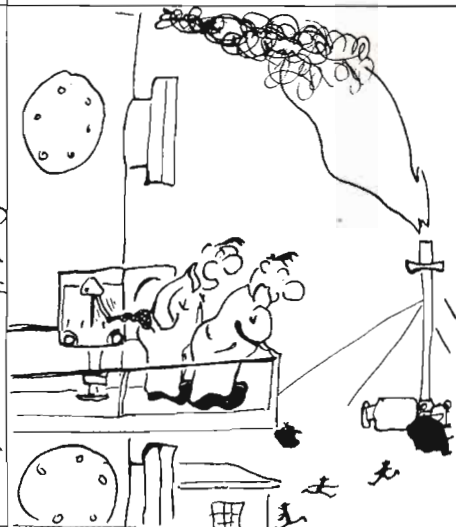
OK START HER UP AGAIN AND THIS TIME WATCH THE BACKFIRE THAT ONE MUST HAVE BLOWN A HOLE IN THE MUFFLER.



OF HAND ID SAY YOU JUST BROKE ANOTHER ONE JAKE.



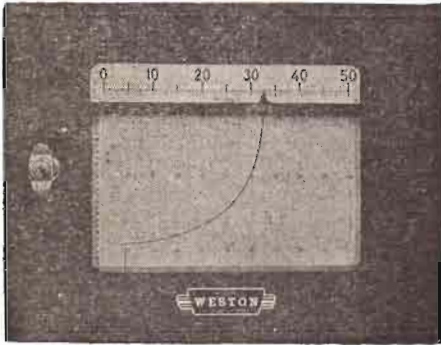
IT ISNT MY FAULT IF YOU GUYS BORROW ALL THE SMALL WRENCHES AND DONT RETURN THEM.



LOOK AT THAT FLARE. ID HATE TO BE IN THE FELLOW'S SHOES WHO CAUSED ALL THIS.

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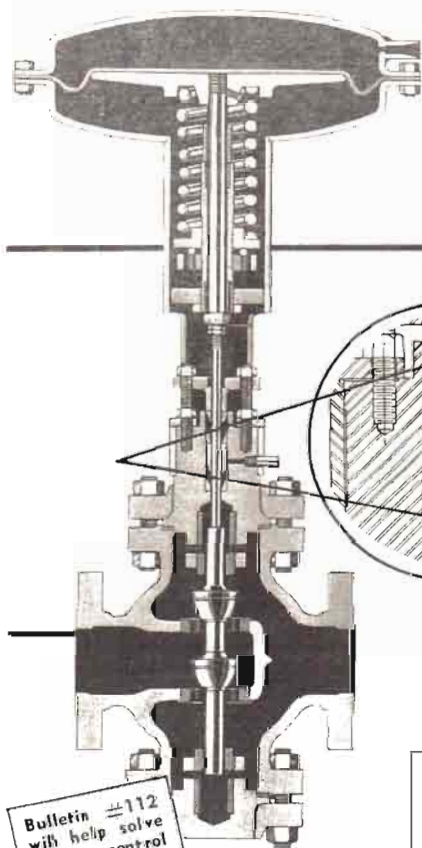
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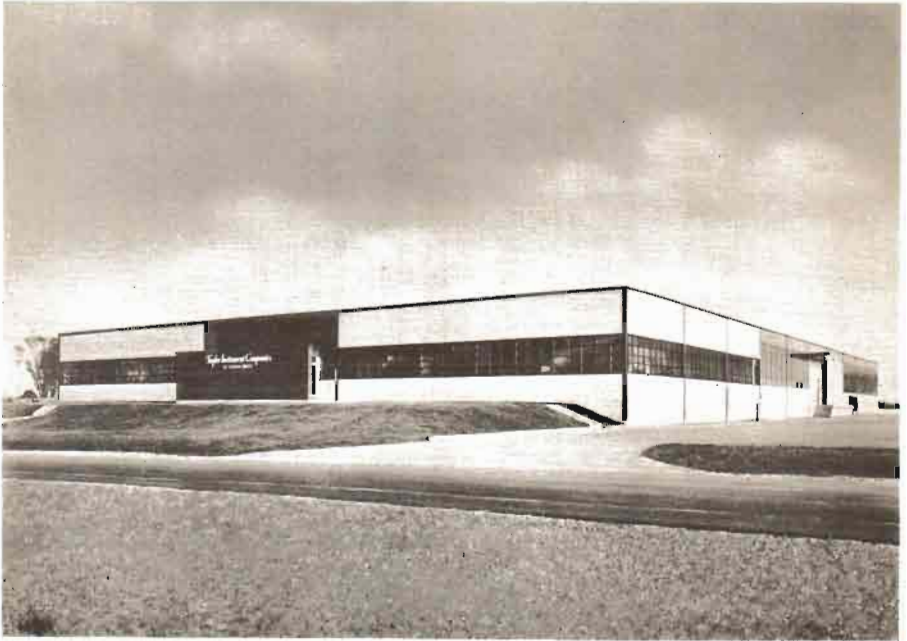
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