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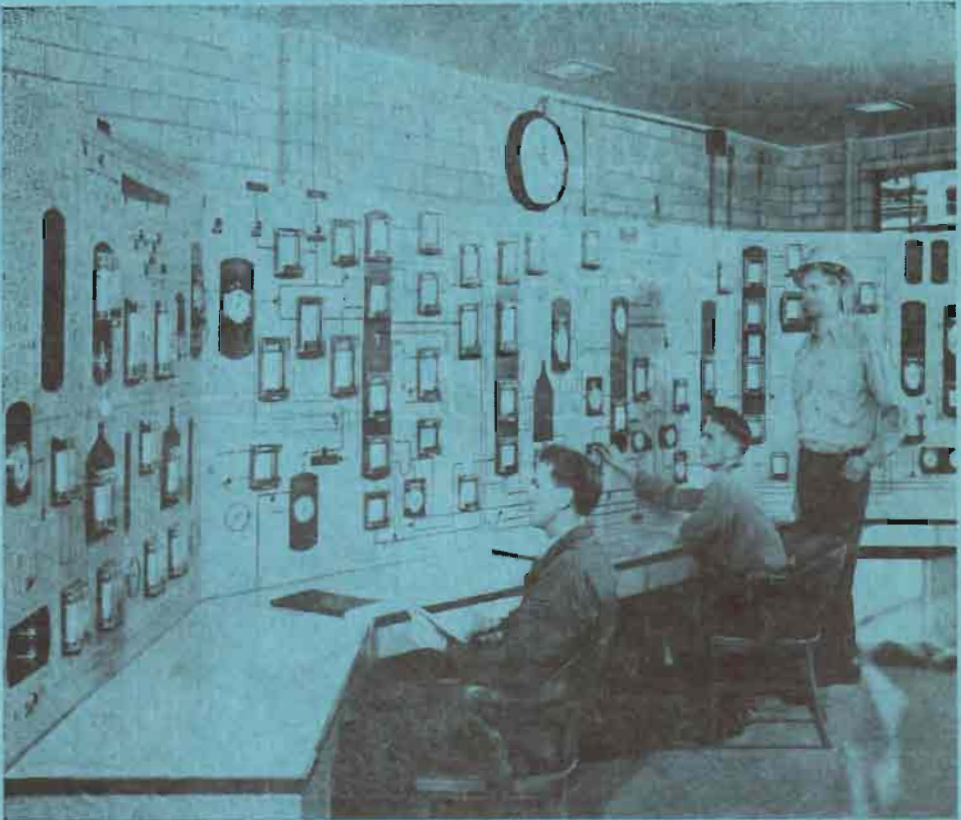
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SARNIA SECTION



Monthly Bulletin



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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 1956-57 season are:

President	H. KOHLMEIER Polymer Corp. Ltd.
Vice-President	R. ASSELSTINE Canadian Oil Refineries Ltd.
Secretary	F. CROFT Catalytic Construction Co.
Treasurer	R. ROSE Catalytic Construction Co.

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 Vendome Hotel 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. F. Craft, 612 St. Clair Ave., Pt. Edward, Ont. Dues should be made payable to the Sarnia Section, Instrument Society of America and sent to the Treasurer, Mr. R. J. Rose, 675 Woodhaven, Sarnia, Ont.

Correspondence concerning programs should be sent to the Program Chairman Mr. G. M. Hicks, 280 St. Vincent St., Sarnia, Ont.

Copy for "THE BULLETIN" should be sent to the Managing Editor, Mr. H. Hobbs, 122 Cameron Street, Sarnia, Ontario.

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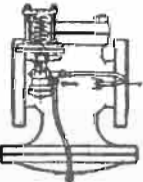
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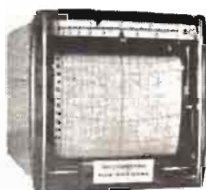
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M/58 Consotrol Controller



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The "BULLETIN"

VOLUME 6 No. 4

DECEMBER 1956

REGULAR NOVEMBER MEETING

The regular November meeting of the Sarnia Section of the I. S. A. was held at 8.00 p.m., November 26th, at the Vendome Hotel. About 20 members were present, this low number probably resulting from poor weather conditions.

The speaker, Mr. Mike Prestia, of Continental Equipment Co., Coreopolis, P.A., lectured on Butterfly Control Valves. Mr. Prestia was introduced by our Program Chairman, Mike Hicks.

The topic was far more interesting than one might imagine. I know that I have always thought of them as sort of a glorified stove-pipe damper, bearing little resemblance to a true control valve

Mr. Prestia did much to dispell such impression when he told the meeting of the many applications in present use and suggested others relevant to our own industries. One point that should appeal to many people of my acquaintance is their cheapness, compared to other valves of equal capacity.

Mr. Prestia was thanked by our President, Mr. Harold Kohlmeier, and at the close of proceedings was still being grilled by a group of intellectuals.

Thank you Mr. Prestia and the Continental Equipment Company.

THE SECOND MAINTENANCE CLINIC

The second maintenance clinic for the 1956-57 season was held in room 313 at S. C. I. & T. S. on Wednesday, December 5th, from 7 until 10 p.m

The lecturer was Mr. Bill Hayman, Service Engineer, Beckman Instrument Co., Toronto, Ontario, Canada.

Bill's subject was "Beckman pH Measurement and Trouble Shooting". This is a vast subject indeed, and the task of crowding it into three hours, was a formidable one. The many aspects of this science that were mentioned in passing or discussed in some detail are too numerous for me to remember, much less list here. One of them was an explanation of the nature of pH and pH units. Another, the construction of electrodes, (and the mind quails at their infinite variety). Another, the basic electronic circuit, which is thought to be patentable.

Then we considered the actual instruments. I don't blame Bill for starting with the model W which seems to be a well-planned, simple, compact and cool device. There were a number of questions concerning this splendid machine which were answered or parried with the utmost savoir faire.

At this stage, our old friend Fred Croft volunteered to re-assemble the Model W, while we leaped backward through time and space to the medieval world of the Model R.

We were all very impressed with Bill's knowledge of this instrument and his evident familiarity with the troubles common to it. While the lecture was going on I had a clear knowledge of the functions of the alleged automatic switch and the peculiarities of that peculiar tube, the 932. This knowledge may have been more firmly fixed had not part of my attention been centered on our friend Fred, who lurked in the background, gazing in a bewildered manner at the scattered entrails of the Model W.

Questions arising from the Model R are bound to be stickier to handle than the others, but our lecturer returned all serves like an enraged Lew Hoad. Even questions raised by our colleague Jack Almey, (who can usually send speakers reaching for their text books), were handled without hesitation and with perfect sportsmanship.

Thanks very much, Mr. Hayman, and the Beckman Company, for this excellent outline. A vague subject has become a lot less mysterious to us.

Thanks also, Larry Hall for your organizing work.

Apropos of this, Larry tells me that another clinic is on the agenda for early February. More about this anon.

The following members attended the clinic:

From Sun Oil:

Hall, Gravelle, Carey, Smith.

From I. O. L.

Heatley, LeNeve, Woodcock, Dawson.

From Ethyl Corporation:

Croft, Hunt, Morissette.

From Canadian Oil:

Asselstine, Lodberg, Simms, Humphrey.

From Polymer:

Kirk, Rees, Lesco, Willis, McKay.

From Dow:

Almey, Moore, Hobbs.

INSTRUMENTS ARE MY LINE

By E. W. Kirk

Last month I attempted to describe a gadget, one of our fellows developed to make our job easier. This month, I am supposed to tell how this gadget works. Very briefly, I will try to enlighten the subject further.

To begin with, I think we should stop for a moment and consider the job of a valve positioner. Primary it is a devise to positively set a valve stem for a given amount of air pressure.

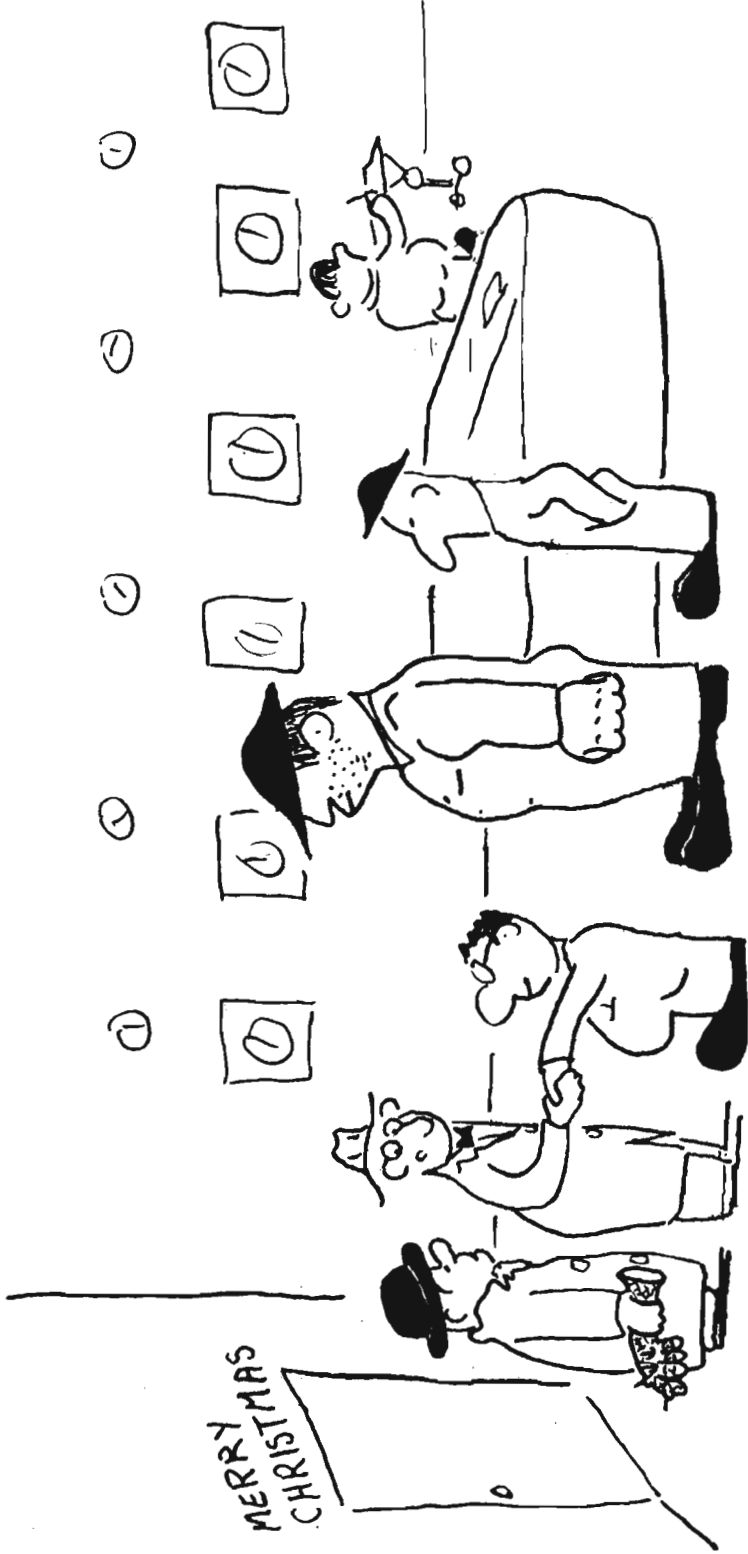
Now, keeping this in mind, what we need is a block onto which the positioner can be securely mounted. This block should contain an adjustable pointer and stationary graduated scale, to which the activating arm of the positioner can be fastened. This pointer replaces the valve stem. Now, by connecting up a supply of air and a controlled air to our positioner, we need only to block the output, which normally goes to the valve diaphragm and we are in business.

As I said last month we have to know the valve travel in inches, so lets assume this to be 1", with 31 lbs. controlled air going to the positioner, we adjust our pointer or take off arm until we have 31 lbs. output. Now increase our controlled air to 15 lbs. and adjust our pointer 1" and we should have 15 lbs. output. If it isn't, your positioner is not properly set up. As you can see it would be fairly easy to check any portion of valve travel, eg. 25%, 50% etc.

This description is as far as I can go without involving the inventors. I would not like having them after me with disintegrators. So if anyone is really interested in this gadget, I'm sure I could arrange a discussion between the inventor and any interested party.

Editor's Note

As anyone can deduce from the foregoing, our friend Bill Kirk is beginning to realize that a useful contributor must be specific as well as prolific. We owe Bill and his unnamed inventive friends a debt, which we hope to increase as the months roll by. Keep the articles coming, Bill. Your friends can use the publicity. The practice won't do you a bit of harm, and the **Bulletin** needs the material.



IF HE BREAKS MY KNUCKLES AGAIN THIS YEAR WITH THAT IRON GLOVE ON, I'M AFRAID WE'LL HAVE TO GIVE HIM A BONUS INSTEAD OF THIS TRADITIONAL CHRISTMAS





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And we shall have snow,
And without fail,
We'll have sleet and hail,
And glare ice and slush,
And ground become mush,
And cumbersome closes,
And red running noses,
And even perhaps
Some chillblains and chaps,
And each day a fresh,
New crop of goose-flesh,
Pneumonia and chills,
And large doctor bills,
And we must be facing,
The need for steam tracing,
And each dawn discloses,
The need for steam-hoses,
And during each day,
We melt glaciers away,
And gaze at the sky,
With watering eye,
And hopefully sing,
Of a premature Spring,
These bitter complaints by auto-suggestion,
Give rise, in my mind, to one bothersome question.
This bothersome question I'd like to go inter,
Why do we start each new process in winter?
There must be a cause, there must be a reason,

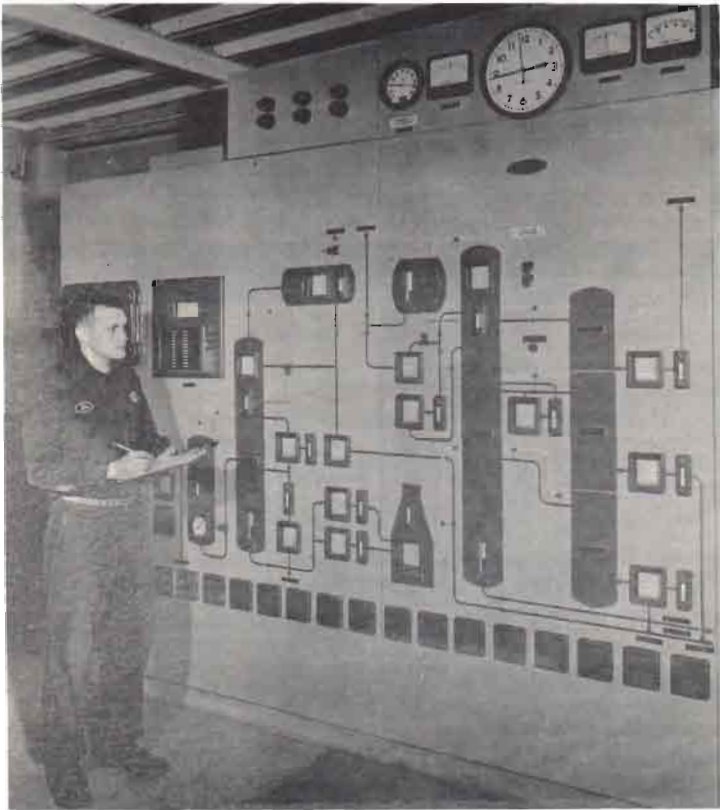
We don't start the feed in some temperate season.
This oft' have I pondered the chilly night through,
My blood fast congealing, my visage turned blue,
While clinging aloft on some shelterless deck,
Like a frozen survivor of some polar wreck,
And watching a valve with the utter devotion,
The survivor would give to scanning the ocean.
And deep in the depths of some devious mind,
Did we excavate deeply, this reason we'd find,
The people whose wishes do count for a lot,
Spend winters away from this desolate spot,
And stretched out beneath some far sheltering palm,
Delight in the thought that we're cold and they're warm.
Plain food more delightful and nectar more sweet,
When eaten while beggars look in from the street.
Yes comrade, just cry on my disengaged shoulder,
You're stuck till you marry a female stock-holder.

—H. Hobbs

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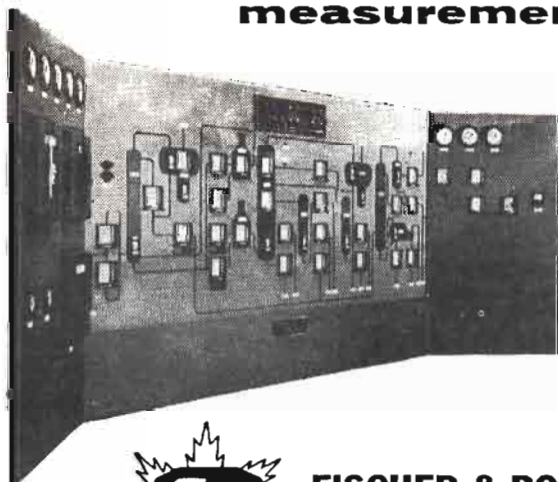
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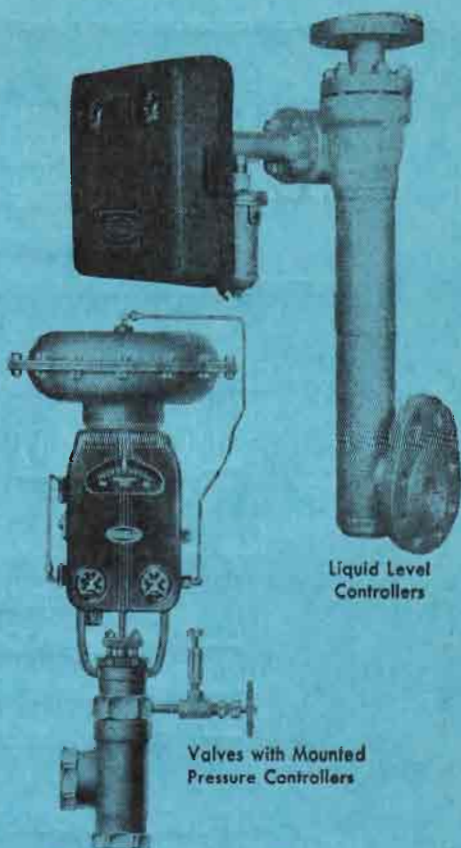
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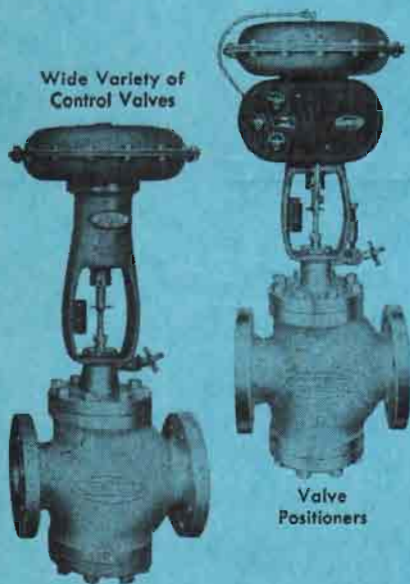
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