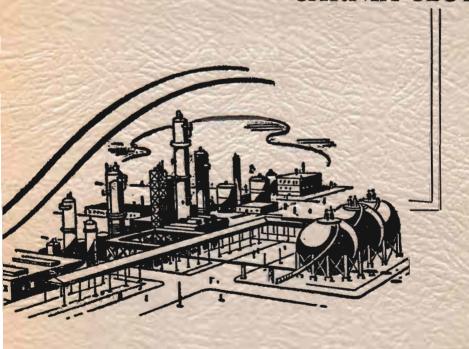
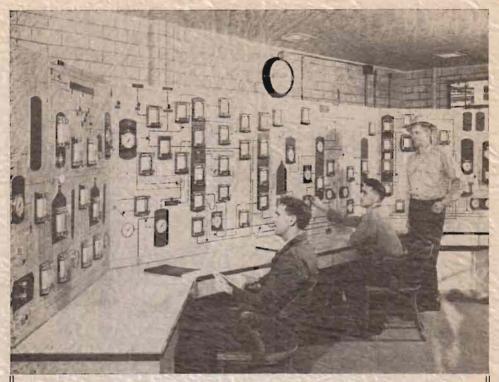


SARNIA SECTION



Monthly Bulletin



WIDE-SCREEN PRESENTATION OF PETRO-CHEMICAL PLANT

by Taylor

Taylor Graphic Panels, contributing close supervisory control in the Petroleum Industry, are also serving in the Petro-Chemical field. Photographed above, for example, is the Taylor Panel at CIL'S Polythene Plant at Edmonton, Alberta.

The instrumentation here is served by Taylor Controls and Transmitters throughout the extensive intricate plant operation.

Taylor produces instruments for indicating, recording and controlling temperature, pressure, flow, liquid-level, speed, density and humidity.

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TAYLOR INSTRUMENTS MEAN ACCURACY FIRST



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

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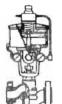
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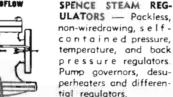
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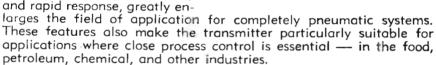
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M/53 Consotrol Recording Station



M/58 Consotrol Controller



M/59 Consotrol Valve Mounted Controller



The "BULLETIN"

VOLUME 6 No. 7

MARCH 1957

FEBRUARY GENERAL MEETING

By Larry Hall

The Honeywell Controls, Limited, took over the February meeting of the Sarnia Section, I.S.A., which was held on Monday, February 25, 1957, at the Vendome Hotel.

Prior to the general meeting, the Executive of the Society were entertained to cocktails and dinner in the Guildhall of the Guildwood Motel, Pt. Edward, by the Honeywell party. This consisted of Ron Billodeaux, General Sales Manager, Industrial Division for Canada; Gerry Sedgley, Toronto Division Sales Manager; Harry Wilton, Sales Engineer; and Gordon MacDonald, Sales Engineer.

At the Vendome Hotel, Mr. Billodeaux spoke to the group on "The Human Aspects of Automation". He pointed out that automation increases employment opportunities eventually and cited numerous examples to illustrate his point. "There is nothing new about automation", said the speaker, "It is merely an extension of the Industrial Revolution which began in the nineteenth century. But, it does cause upsets and re-arrangements of employment skills and knowledge which cause hardship amongst some workers".

He pointed out that automation is being retarded because of the shortage of skilled engineers and technicians. A great many engineers were wasting their education and talents by doing work which could be performed by skilled technicians. In order to release these engineers for more useful work technicians should be upgraded to take over some of the engineer's work.

In line with this suggestion, the Association of Professional Engineers of the Province of Ontario had formed a committee to draw up ways and means of grading technicians according to their education and experience.

This announcement appeared in the issue of the Windsor Daily Star which we repeat below:

WILL CERTIFY 30,000 ENGINEER TECHNICIANS

Toronto (CP)—About 30,000 Ontario engineering technicians are to be certified under a new voluntary plan, the first of its kind in Canada, the Association of Professional Engineers of Ontario announced Tuesday.

Technicians are to be certified by a board of examiners which will classify them in five grades according to their educational and technical experience.

After the meeting, refreshments were provided by Honeywell for all present and discussion went on for some time in an informal manner. Most of the interest of the group centered on the proposal to upgrade technicians in industry to engineering technicians. It is understood more information will be forthcoming soon.

* * *

INSTRUMENTS ARE MY LINE

By E. W. Kirk

When we think of instrument work we generally think of large units and processes. But instrument work is also carried on in research and lab work. The labs may do an operation the same as a large unit, only on a very small scale. They in turn want as much automatic control as is practical. This is one place where an instrument man must use his ingenuity.

I was talking the other day to one of our fellows who works a great deal in lab duties. He was carrying a dial thermometer, an array of wire, test meters etc. When I asked him what it was all about, he explained that this dial thermometer was a temperature controller. I thought he was pulling my leg, but by golly, this was a controller.

It seems, in one of our labs they have a small steam superheater. The lab people wanted a temperature control on it, but since it was only a temporary deal, they were reluctant to spend much money on fancy instruments. Our friend got the necessary control by using an ordinary dial thermometer. On the inside of the plastic cover he installed a small spring, then by drilling a hole in the cover he fastened a wire on the outside. Now, using the body of the dial thermometer as one side, or one wire, and the wire leading from the spring as the other, he had a switch. When the temperature started to rise, the pointer of the thermometer would hit the spring, completing an electric circuit, which was connected to relays, which in turn shut off the heat to the little superheater. When the temperature dropped the pointer left the spring contact, braking the circuit, causing the heat to come on again. He could also vary the control setting by rotating the plastic cover.

I thought this was a simple but very effective way of controlling the temperature. As you probably guessed, he could have several contacts for alarms, etc, all operated by the dial thermometer.

NEWS ITEMS

Tom Davidson, Sun Oil, has just returned from two weeks in Philadelphia, where he attended the Brown School on "Electronik" class K Instruments.

We are sorry to report that our secretary, Fred Croft, has had a nervous breakdown and is at present recovering in the hospital. His many friends in the I. S. A. wish him well, in a satisfactory recovery and a return to his instrument duties. Fred is employed by Catalytic Construction Co. in the instrument department of Ethyl Corporation.

This years nominating committee, composed of Bob Connell, Chairman; Amby Upfold, and Jack MacLean will submit their list of candidates at the regular March meeting. We urge everyone to attend in order that they may register any additions to this list and hear any protests. A big item to keep in mind is that the Sarnia Section is in a good financial condition, so don't vote for an executive who might decide to split it up among themselves. I am all for wine, women and song, but I can join in the singing with a greater sincerity if I have my full share of the other too. So rally around shareholders and help us slice the melon.

THIRD MAINTENANCE CLINIC

The maintenance clinic on the Foxboro ''Dynalog'' was held the evening of February 20th, at S. C. I. & T. S.

Mr. Joe White, who gave the lecture, and who works from Foxboro's Toronto office, had a well-prepared and comprehensive outline that made the alloted three hours seem all too short.

Joe touched on the history of instruments using electrical properties as their method of measurement, and produced convincing examples of their versatility and reliability.

Most of the time, however, was devoted to the Dynalog, and both resistance and EMF types were demonstrated. Their electronic circuits were discussed at some length, and Joe certainly made them sound simple.

I learned a lot from this clinic and I feel sure that such was the case with everyone else. Dynalogs now seem a lot less mysterious. I now know where to shove my hand in to make them drive both ways.

As I see it, Foxboro has caused us o lot of trouble here, by making this instrument **too** dependable. Just give it a few new tubes every year or two, stand back and watch it run. As a result, we don't learn to trouble shoot the things and anything deeper has us baffled.

Thanks very much, Mr. White, and Foxboro for your co-operation. Also, our appreciation to Larry Hall for making the arrangements.

The following attended.

From Polymer: E. W. Kirk, M. Evans, D. Rees, George Willis.

From Canadian Oil: R. Asselstine, Clare Simms, P. Lodberg, Ed. Read.

From Catalytic: O. H Smith, G. Gravelle, R. Carey, R. B. Hunt.

From Sun Oil: Larry Hall.

From Dow Chemical Co.: Tom Moore, H. Hobbs.

MEETING NOTICE

PLACE:

VENDOME HOTEL

DATE:

MONDAY, MARCH 25, 1957

TIME:

8.00 P.M.

SPEAKER:

MR. ROBERT SILVA

Foxboro Company

SUBJECT:

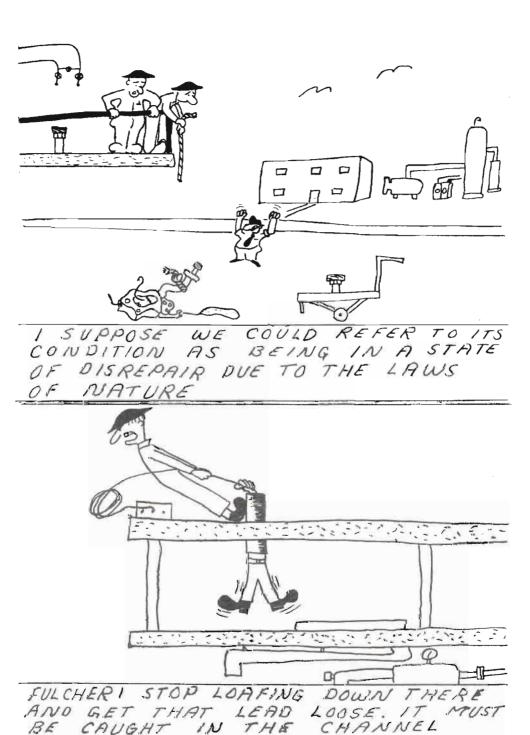
FLOW MEASUREMENT AND CONTROL

WRITTEN ON A ROLL CHART Interdit De Cracher!

Instrument man, this old heart bleeds, But you just aren't listed in my present needs, Far, far different in the days of yore, When the unit floundered on a rocky shore. And nary a still would boil or bubble, And back to front was a mass of trouble, And nothing left the producing end, And the instrument man was a boy's best friend. Sad days indeed, and all passed by, I think of them yet with a misty eye With a catchy throat, with a stifled moan, With a nervous twitch, with a heartfelt groan. I think of those days with a shuddering sob, When I feared for my sanity, and my job. Happily now, they're far behind And little remains that doth remind Of the hours of fear and trouble and toil When nary a still would bubble or boil. Enough of this, I must prevent Such wallowing in sentiment. My tanks are high, my vats are full, Production is just beautiful, And every pen a circle draws, And so your presence gives me pause To think that here, you need not be. You are redundant, utterly. Now kindly give this place a miss. (There's nothing personal in this.) But you, a sacrifice must be, If we would raise efficiency.

And though we may not meet for ages, The trifle not paid out for wages Must compensate for the loss I'll feel When I know your gone, yes gone for real. So please don't think me frail or fickle, I'd do a lot to save a nickel. And a penny saved is a penny earned, And far more real than a friendship spurned. And I know you'll heartily agree, You can't spend friends in the A & P. And ne'er feel sadness, or resent, An honest effort to save a cent. So cry outside, cry you must, And brace yourself for the dagger thrust. Now messy scenes we should prevent, So please don't bleed on the clean cement.

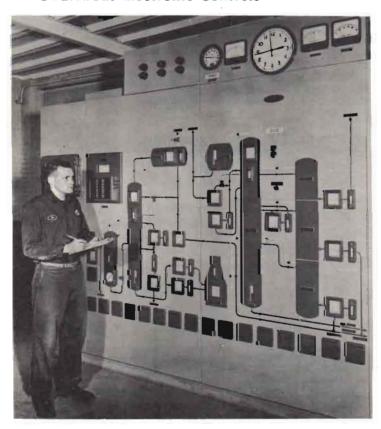
-H. Hobbs



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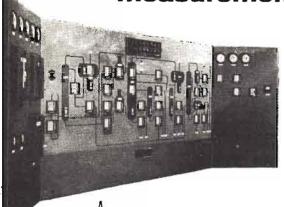
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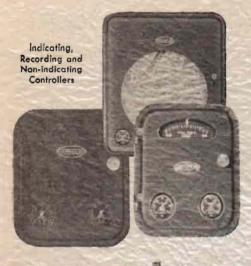
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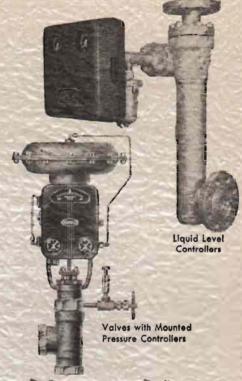
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