

SEPT 56

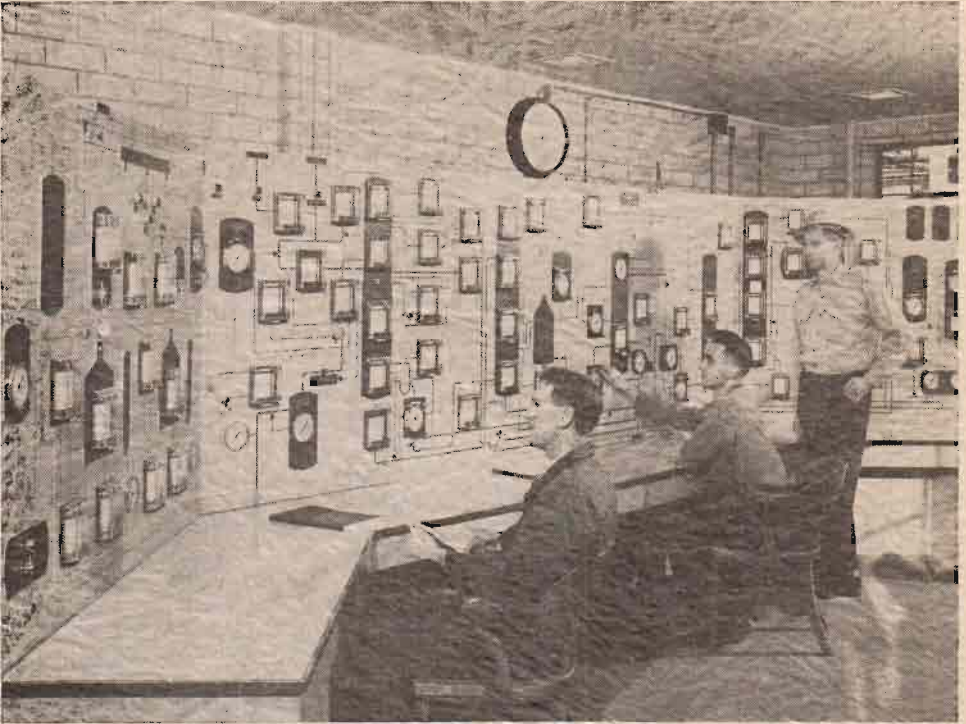
INSTRUMENT
SOCIETY of
AMERICA



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

PRECISION INSTRUMENTS AND CONTROLS



BARTON

BARTON DP FLOW-METERS—with stainless steel, rupture-proof bellows. Indicators, recorders and pneumatic transmitters are available (electric contacts optional).



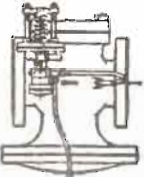
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ALNOR INSTRUMENTS—for measuring surface and furnace temperatures—Alnor Velameters for air speed—Alnor Dewpointers—multi-circuit electrical thermometers.



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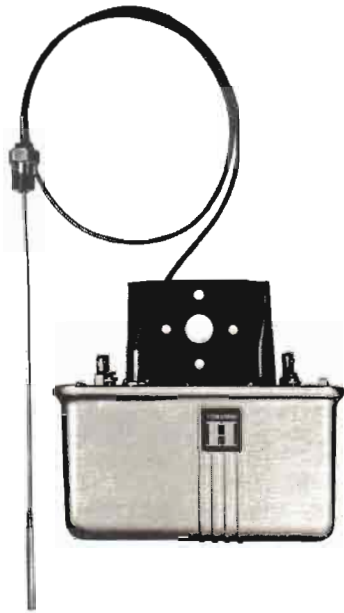
For

Temperature

Gage Pressure

Absolute Pressure

This instrument answers the demand of industry for a versatile pneumatic transmitter. There is no need to add or change parts to get any span within the overall limits of the transmitter and these spans can be extremely narrow. The narrow span feature, coupled with high accuracy and rapid response, greatly enlarges the field of application for completely pneumatic systems. These features also make the transmitter particularly suitable for applications where close process control is essential — in the food, petroleum, chemical, and other industries.



Range limits are — 375 to + 1,000 F, and 40 to 600 psi. A simple adjustment allows you to set the span limits of 20 psi and 50 F minimum, and 150 psi and 400 F maximum. Zero output can easily be adjusted to allow this span to cover any desired portion of the overall transmitter range.

For more information about this and other controls contact your nearest HONEYWELL Branch Office, or write HONEYWELL, Leaside, Toronto 17, Ontario.

Honeywell
Industrial Division



Brown Instruments



12A Temperature Transmitter



M/42 Indicating Pneumatic Transmitter



13A Differential Pressure (d/p) Cell



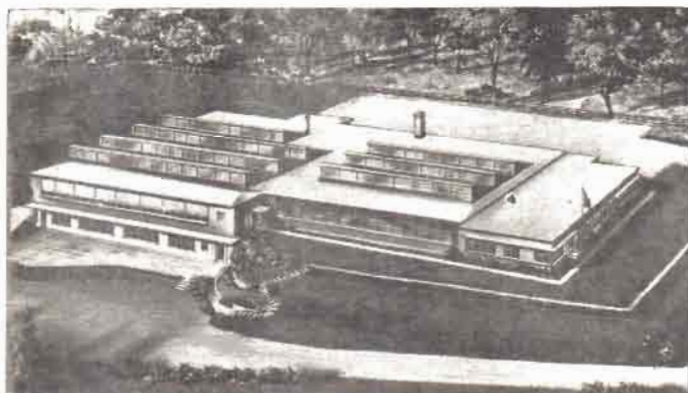
M/40 Recording Controller

PROCESS MEASUREMENT AND CONTROL

Complete process measurement and control instrumentation covering such variables as temperature, pressure, flow, liquid level, humidity, pH, conductivity, density, dew point, viscosity, force, speed, position, etc. etc. Instrument designs to suit conventional or graphic type panels — controllers for board or local mounting.

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Pictured below is the Canadian home of Foxboro instruments — Canada's largest and most up-to-date process instrument manufacturing plant.



M/52 Consotrol Indicating Controller



M/53 Consotrol Recording Station



M/58 Consotrol Controller



M/59 Consotrol Valve Mounted Controller



PEACOCK BROTHERS LIMITED

Montreal

Sydney Toronto Sudbury Winnipeg Edmonton Calgary Vancouver

The "BULLETIN"

VOLUME 6 No. 1

SEPTEMBER 1956

CORRESPONDENCE

Larry Hall has kindly sent us a letter he recently received from John Franklin. As many will remember, John was Instrument Engineer at Polymer during its early days, and moved on to the pulp and paper industry in Newfoundland.

He writes from Sittingbourne, Kent in the United Kingdom, which I recall as a town with a tolerant populace and adequate pubs.

Deary Larry:

I always read with great interest, the "goings on" at Sarnia aptly described in the Bulletin and now, in the March issue my former accomplice, Freddie Croft, intrigues me with his description of Mr. Fox's talk on Automation.

I noted earlier on the controversy on dues and now see you have got to \$12.00. On September 19th last, I sent I.S.A. \$20.00 because that is what they said they wanted!! Seems I'd better send it to you in future. Incidentally, I also subscribe to the Australian Society of Instrument Technology, but their subscription for "Country Members" is just 1/3 of the regular membership fee—one guinea instead of three guineas! So I'm supporting Instrumentation on three continents now! As in England, hear various aspects are growing by leaps and bounds.

Please give my very best wishes to any of the boys who may still remember me. I may be your way next year and shall try to drop in for a meeting.

Sincerely,
John Franklin

I. S. A. CONVENTION

So far as we can yet determine, the following will attend the I. S. A. Convention: Warren McKay and Larry Hall.

Perhaps others are going, but our early deadline prevents us from printing a complete list.

The results of the first registration are as follows:

Subject	Number of Applications
Brown Stack Controller	7
Brown Class 15 Potentiometers	7
Taylor Stack Controller	6
Moore Stack Controllers	5
Swartwout Electronic Controllers	4
Foxboro Stack Controllers	4
Masonielan Level Controllers	4

The number of applicants, of course, refers to the number of members who want each course and some wanted all 7. Only ten actual members sent in applications.

In order to start organizing even the first two classes, we will have to have at least 8 more applicants for each. If you have already applied, but wish to change your preference in view of the results of the first registration, please send in another application indicating your new choice.

(Incidentally, only the first seven subjects in order of popularity were listed because that is the maximum number of classes we can now have in the time available—October to April inclusive.)

If you have not yet applied, please do so at once, so that we can start definite planning. It takes about a month to get each class organized.

Larry Hall, Chairman
Education Committee,
Sarnia Section I. S. A.



I. S. A. NEWS

The September issue of I. S. A. Journal should be read with considerable care. It contains an article by our friend Larry Hall, "A preventative maintenance program for a refinery". This should offer a welcome change from the steady diet of formulas and graphs, which appear to be the life blood of their customary contributors. Nice going Larry, another useful blow struck on behalf of the peasant classes.



INSTRUMENT NIGHT CLASSES

So far, the registration has been disappointing. I have received only ten applications for all instruments, of which only seven want the same subject. A class of seven is hardly big enough to warrant bringing in a service manager from one of the big instrument companies.

The lag in registration could be due to the summer season. Now, that we are in to the cool fall weather, there should be an increase in interest in things of this sort.

If any of you, not previously registered, now feel that you would like to attend any of these one night classes, please fill in the enclosed application and send it to me.

INSTRUMENT NIGHT CLASSES

Mr. L. J. Hall,
Chairman, Education Committee,
Sarnia Section, ISA,
c/o Sun Oil Company Limited,
P. O. Box "U",
Sarnia, Ontario.

I wish to declare my intention of attending the night classes on instrument maintenance and trouble shooting which will be held between October and April, 1956-57 at a place yet to be determined.

I have checked off the subjects in which I am interested in the order of my preference. (See over).

I understand that there will be no charge to me as a member of the ISA in good standing, that there must be at least 20 applicants for each subject to justify its being held, and that the classes will be given by an expert in the subject and will take about three hours each.

Please notify me as to the exact dates, times and places when they are formed. In turn, I will let you know if I definitely can attend within ten days of your notification.

Yours very truly,

.....
(Employed by)

.....
(Signature)

(over)

SUBJECTS AND PREFERENCE

- Brown Class 15 Potentiometers
- Brown Differential Converter
- Brown "Tel-O-Set" Recorder
- Brown "Tel-O-Set" (Stack) Controller
- Brown "Tel-O-Set" Transmitter (Press. or Temp.)
- Taylor "Transet" Potentiometer Transmitter
- Taylor "Transaire" Differential Pressure Transmitter
- Taylor "Transet" Recording Receivers
- Taylor "Transet" Triact (Stack) Controller
- Taylor "Transaire" Temperature Transmitter
- Foxboro D/P Cell, Model 13 L A.
- Foxboro Consotrol Recorder, Model 53
- Foxboro Stack Controller, Model 58
- Fisher Leveltrol and Multitrol
- Masonielan D/P Transmitter, 4800 Series
- Moore Stack Controllers, M-50
- Moore Stack Controllers, M-50
- Other instruments of my own choice

.....
.....
.....

MEETING NOTICE

PLACE: VENDOME HOTEL, BANQUET ROOM

DATE: MONDAY, SEPTEMBER 24, 1956

TIME: 8.00 P.M.

SPEAKER: **MR. H. S. GARRETT**
Manager, Application Engineering
Moore Products Co.
Philadelphia, Pa.

SUBJECT: **Application of Multipurpose Relays to Control Problems**

NOTICE: This meeting, the first of the season, will be an open meeting. Come and bring a friend.

WRITTEN ON A ROLL CHART

Et Tu Brute!

Instrument man, O Instrument man,
 Pray hearken a moment to me.
 This urgent job,
 You'll do to-day,
 No use to cringe,
 Or slink away,
 So trouble me not,
 With your usual guff,
 Evasive tactics
 Are not enough,
 Your watery eye,
 And bended knee,
 Alas, evoke
 No sympathy.
 So please prepare,
 To dig right in,
 And save your wrinkled
 Flea-bit skin.
 And if the job
 You have not done,
 When westward dips
 The setting sun,
 If you be just,
 One minute late,
 Expect a gruesome
 Ghastly fate.

Now this is all
 That I require
 Herewith, one mile
 Of I. C. wire.
 Now start from here,
 Don't pause or ponder
 And string two leads
 To the far, far, yonder.
 Over the rooftops,
 You must go,
 Down where the wild

Blue billows blow.
 Along the gutter
 Along the rack
 Did someone mutter,
 "My Aching Back?"
 Mush, mush, mush,
 Thru boggy fields
 Dragging reluctant
 Wooden reels.
 Out thru the wild
 Construction area,
 (May the palsied,
 Dropsical workers spareya)
 To reach your goal
 With bones intact
 And not by some falling
 Wrench ge-whacked

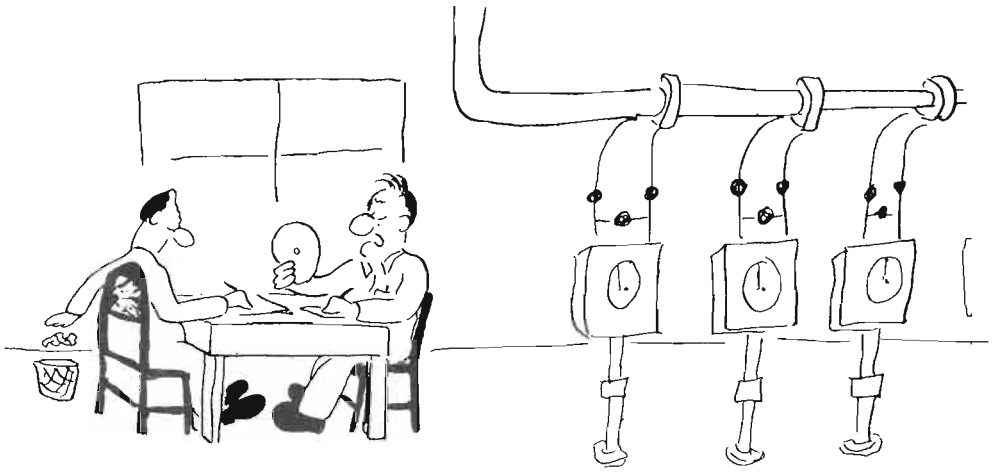
Yes, string them out,
 O worthless knave,
 To the top of our mammoth
 Propane cave.
 And there two vital
 Readings tell,
 Of what goes up
 Or down the well.
 Wipe off that rather
 Idiot grin,
 Just tape the couples
 To the skin.
 And take my warning
 They must be
 Correct to less
 Than one degree.
 So on your way,
 O tired and slow,
 May I suggest
 You go, go, go?

I have returned,
O radiant one,
Bare moments ere
The set of sun,
The struggle o'er
The task complete
And I am really,
Truly beat,
With toil and trouble,
Limp and sick,
Like a soggy, parboiled,
Celery stick,
Can't spare one trifling

Word of praise,
For this the saddest
Of sad days?

Be off, nattering
Unkempt oaf,
Go elsewhere if
You mean to loaf.
Those temperatures?
I never read 'em.
Can't see how,
We'll ever need 'em.

—H. Hobbs



ITS ONE OF THOSE DECISIONS WHICH ALL INST. MEN HAVE TO FACE EVENTUALLY. ADMIT A HUMAN ERROR AND BE CLASSED AS STUPID, OR BLAME THE INSTRUMENT AND BE ACCUSED OF NOT KNOWING HOW TO SERVICE IT PROPERLY.

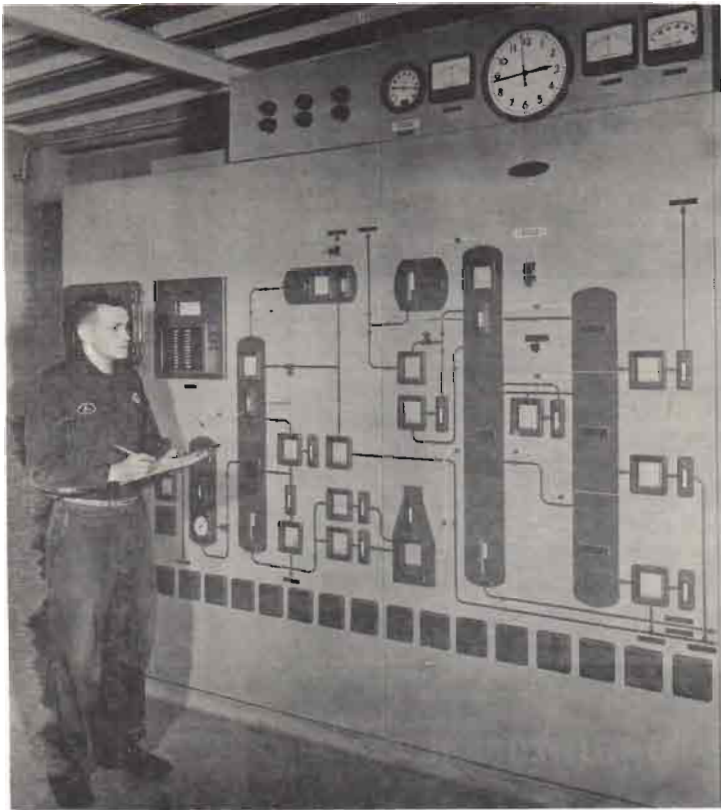


IF I DIDNT KNOW BETTER ID THINK HE WAS FROM A RIVAL COMPANY POINTING OUT THE DEFECTS OF THIS INSTRUMENT, RATHER THAN FROM THE SALES STAFF OF THE DEFUNK INSTRUMENT COMPANY

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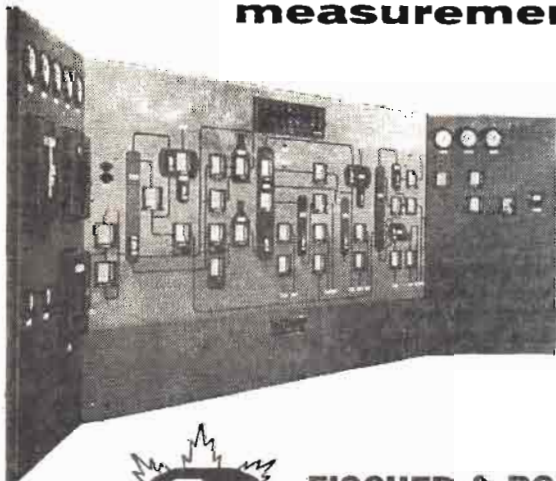
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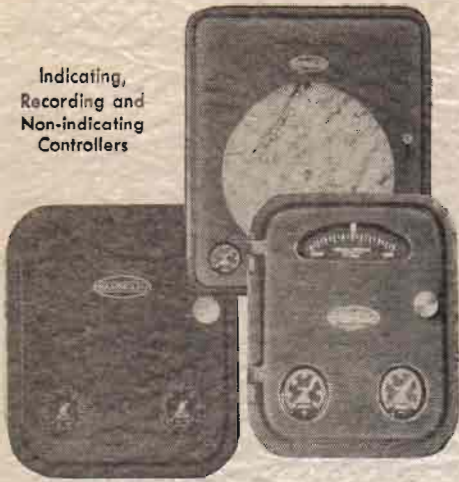
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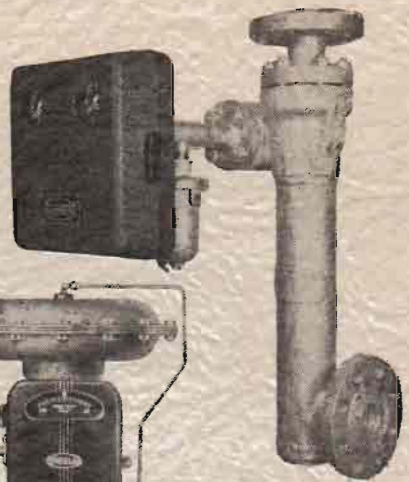
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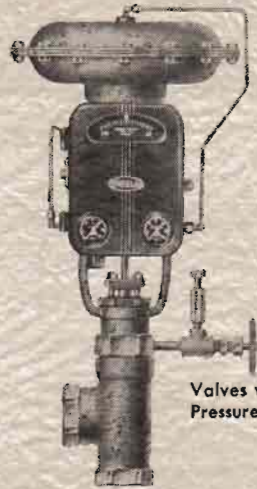
Indicating,
Recording and
Non-indicating
Controllers



Liquid Level
Controllers

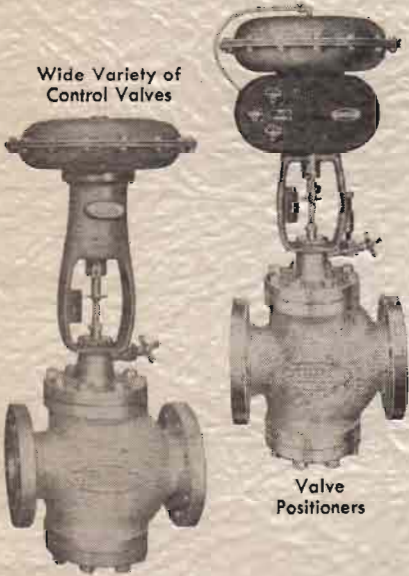


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