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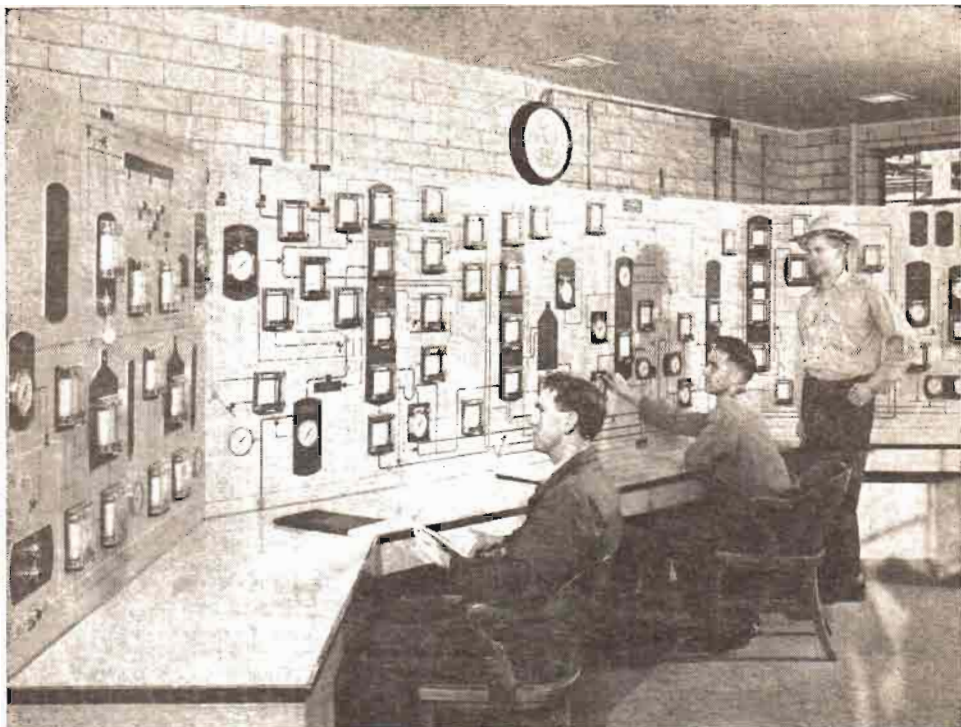
INSTRUMENT
SOCIETY *of*
AMERICA



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. 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.

PRECISION INSTRUMENTS AND CONTROLS



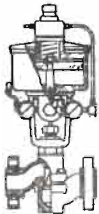
BARTON

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



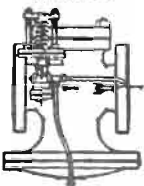
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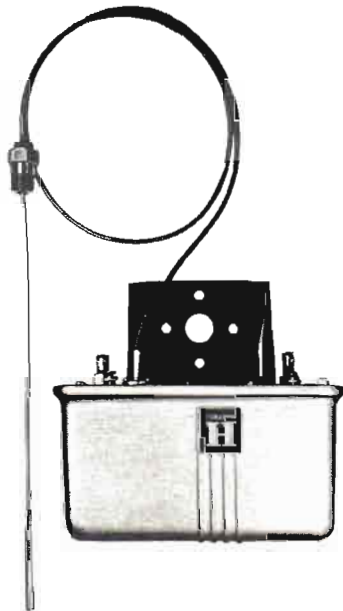
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For more information about this and other controls contact your nearest HONEYWELL Branch Office, or write HONEYWELL, Leaside, Toronto 17, Ontario.

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Industrial Division



Brown Instruments



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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.

This complete line of Canadian made Foxboro instruments, combined with the wide application knowledge and engineering experience of Peacock Brothers Limited, guarantees the best instrumentation for almost any process.

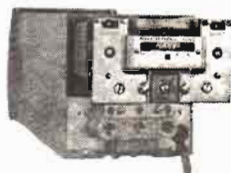
Pictured below is the Canadian home of Foxboro instruments — Canada's largest and most up-to-date process instrument manufacturing plant.



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. 3

NOVEMBER 1956

OCTOBER MEETING

The regular meeting of the Sarnia Section, I.S.A., was held the evening of October 22nd, with forty members present.

Our speaker, Mr. Amby Upfold, Foreman of the Electronics Section of Polymer Corporation was introduced by the Section President, Harold Kohlmeier.

Mr. Upfold observed that all Instrument Men may be divided into two groups, the pro-electronic and the pro-pneumatic. He freely admitted his adherence to the former group, and expressed his intention, in spite of hostile noises from the pro-pneumatics, of telling us about the advantages of Electronic Instruments while glossing over any defects. He inferred, indeed, that such defects could be considered inconsequential and, when seen against the whole glowing background of his electronic paradise, they would seem as trifling as a fly-speck on a Michaelangelo.

With the audience interests now at a fever-pitch, the speaker continued his discourse with true missionary zeal. He outlined the basic principles of the three most widespread types of Electronic Transmitters in present day use; the differences between their various output signals, and commented that these differences could be made compatible in some (to him) utterly simple way. At this point certain rowdy elements were heard to say, (compatible! shmcompatible! All pneumatics use 3 to 15 pounds!)

When order had been restored, Amby outlined in a very clear and comprehensive manner, the basic operation of one of the Electronic Controllers. We saw our old friends proportional band and reset re-appear in this strange guise, and it seems evident that they will perform their usual functions, unaccompanied by hissing or fluttering. Amby's understandable drawings, and his evident knowledge and belief in his subject-matter could not fail to enlighten the most stubborn of his audience. Ye editor was impressed, and I am sure that all of us had better expect to encounter more and more of these here-to-fore mysterious machines.

About here, Amby and I part company, for, good salesman though he is, he has carried his dislike of pneumatic system, too far when he suggests replacing the good old diaphragm valve with a self-contained, bulky, leaky, motorized hydraulic system.

As for the defects in transmitters and controllers, which Amby admitted he was not stressing, I do not feel they are too serious. It does not take much imagination to see that the equipment we were shown is just the fore-runner of much more to come.

Thank you very much Amby, we all appreciated your effort though I do feel that the pneumatics scored a telling point when you held on to the 110 volts—One serious defect that **can't** be ignored.

MAINTENANCE CLINIC

An Instrument Maintenance Clinic as belatedly announced in our last "Bulletin" was held on Wednesday, October 24th, at Sarnia Collegiate Institute and Technical School, from 7 to 10 p.m.

Mr. John Francis, Chief Service Engineer for "Honeywell", gave a very interesting lecture, description and demonstration of the "Brown TEL-O-SET STACK Controller". Nineteen members attended, are listed below, and were enlightened as to the theory behind these interesting devices. I'm sure that anyone who has ever serviced Stack Controllers has often asked himself just what this theory might be, (assuming of course, that there was one.) After this clinic, we should at least be able to discard the ideas we may have formed under the stress of strong emotion, and start thinking of these Stack Controllers the **cool** official way.

It is only fair to say that Mr. Francis would have preferred to lecture on Honeywell's later and improved models, but we held him to his agreement and he did nobly with what may have been a painful assignment. I'm sure we all appreciated this clinic and our thanks go to Mr. Francis and Honeywell for putting it on for us. Above all, our thanks to Larry Hall, whose work as Education Chairman made the whole thing come to pass.

Larry has promised another clinic soon, this time an excursion into the never-never land of pH. Watch the "Bulletin" for further details.

The following were in attendance:

From Dow Chemical: Tom Moore, Jack Almey, H. Hobbs and Tom Scarsbrook.

From Sun Oil: Dick Rose, Ron Carey, Gordon Gravelle, Larry Hall and Orville Smith.

From Polymer: Ron Chamberlain, Mac Evans and Bill Kirk.

From I. O. L.: Jack Heatley, Lloyd LeNeve and Harry Dawson.

From Canadian Oil: Ron Asselstine and Clare Sims.

From Ethyl Corp.: R. Morrisette and Fred Croft.

INSTRUMENTS ARE MY LINE

By E. W. Kirk

One day last month, as I was breezing through the main Instrument Shop, I noticed several heads bent over one of the benches.

Being of curious nature, I stopped and poked my head in also. Much to my surprise, it was not a story telling bee, but rather, an instrument gadget in the process of manufacture.

It seems that one of the common complaints that keep coming into the shop is, that "this valve positioner doesn't work right". Since it is not always practical to get a valve put on bypass and do a field set up, someone said, "Why not a gadget that would set up any valve positioner for any valve, anywhere in the plant. Then we could quickly exchange positioners on the valve in the field".

Well, anyway, that was what the heads were doing bent over the bench, and you know this darn thing actually does set a positioner for any valve, so long as the valve travel is known.

This got me to thinking, sometimes we think a particular Instrument looks very unlike its brother, but this gadget proves they are not so unlike as they appear after all.

Editor's Note:

The preceding article was written by our old friend E. W. (Bill) Kirk of Polymer Instrument Department, with the thought in mind that we might arouse a little interest in the short-cuts and gadgets which make our duties easier, and which may well be exchanged with one another.

However, while he tells us **what** his rather clever device does, he has failed to tell us **how**. He had better fill in the details next month or I will produce an equally clever and vague disintegrator and let him have it.

Thanks Bill give us more.

THE SECOND MAINTENANCE CLINIC

Of the 1956 - 57 Season

will be held at the

**SARNIA COLLEGIATE INSTITUTE AND
TECHNICAL SCHOOL**

Room 313

WEDNESDAY, DECEMBER 5th, 1956

From 7:00 to 10:00 P.M.

Subject

"BECKMAN pH MEASUREMENT & TROUBLE SHOOTING"

Lecturer:

MR. BILL HAYMUS, SERVICE ENGINEER

Beckman Instrument Co.

TORONTO, ONTARIO

Please let your Company Representative or Larry Hall know if you plan to attend this Clinic by November 30th.

MEETING NOTICE

PLACE: VENDOME HOTEL

DATE: MONDAY, NOVEMBER 26, 1956.

TIME 8.00 P.M.

SPEAKER: **Mr. Mike Prestia**
Continental Equipment Co.,
Coreapolis, Pennsylvania

TOPIC **Butterfly Control Valves**

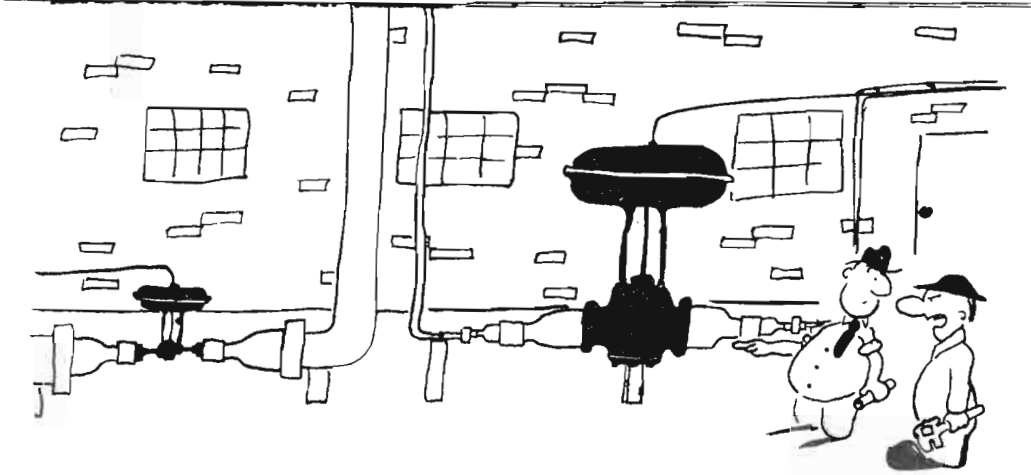
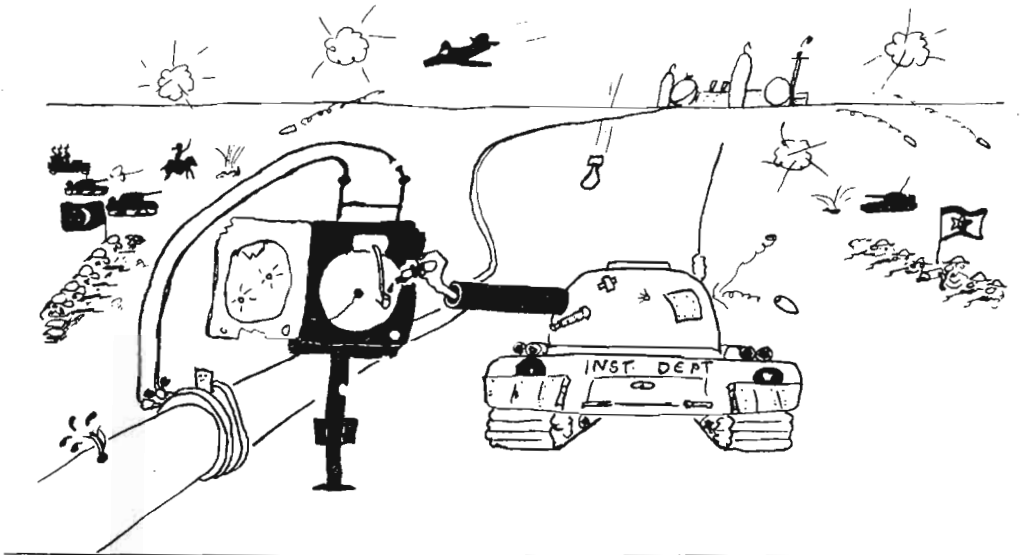
WRITTEN ON A ROLL CHART**You Ashed For It**

Northern Neighbour I deplore
Any thought of all-out war,
But my eyeballs red and grimy,
Torment, torture, tease and try me.
Optic nerves are quivering wrecks,
From your small abrasive specks.
With all my heart I really hopeya,
Quit before I have myopia.
And another fear has risen,
What about astigmatism?
Please, O please, desist as well,
With the horrid sulphur taste and smell,
Which permeates your stinging fog
And does no good to man or dog.
It does no good to beast or man
So please adopt some better plan.
Your six tall stacks with towering plume,
Like six volcanoes spouting doom,
And we like Etna-dwellers know
The hot caress of the lava-flow.
And not with sentiment we cry
When glowing cinders hit the eye.
And with no word of lie or drama
'Tis safer under Fuji-Yama,
Which capped with clean eternal snow
Looms high above far Tokyo,
Where reverent pilgrims pause and pray
While we but weep and wipe away.

Far, far beyond the realm of joking
Desist! Your foul annoying smoking.

What's this **you** say comes o'er from **us**.
That makes you cry and rant and fuss
A weeping-gas? Don't be absurd,
You've used a most distasteful word.
A little Chlorine-Styrene blend,
Is just a tonic my good friend,
A little taken out and in
Will wave the hair and tone the skin,
It's just a taste of the things we've got,
So please don't give it another thought.
And thus my parting word is brief,
Please, Please lend me your handkerchief.

—H. Hobbs

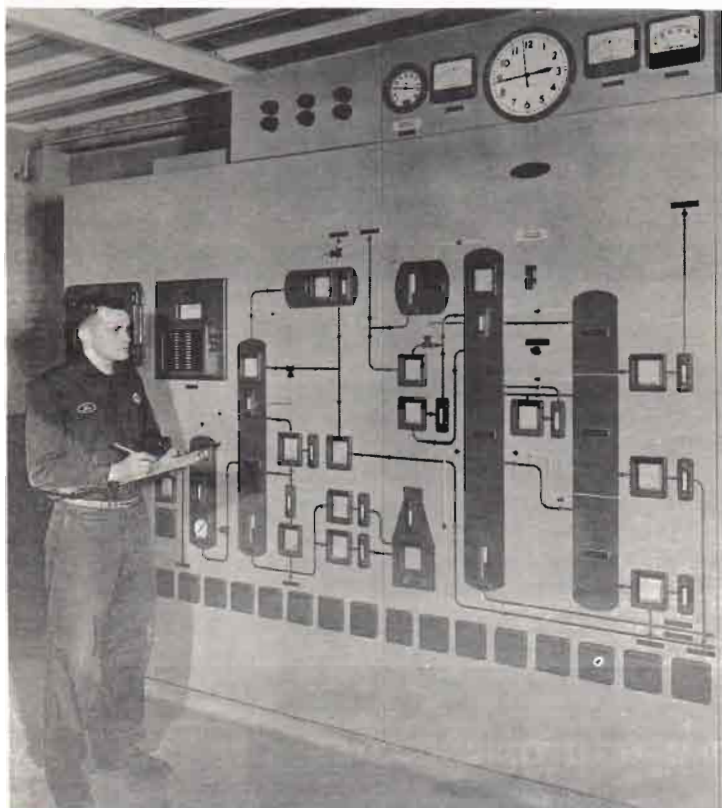


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- Limatorque Electric Valve Operators
- Scam Annunciators
- Swartwout Electronic Controls



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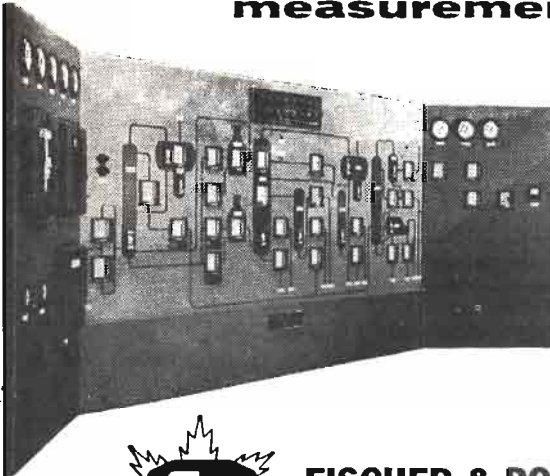
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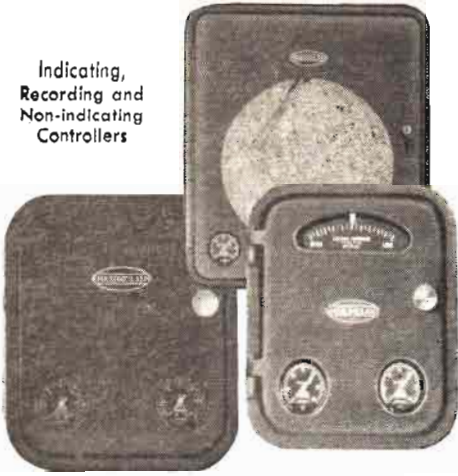
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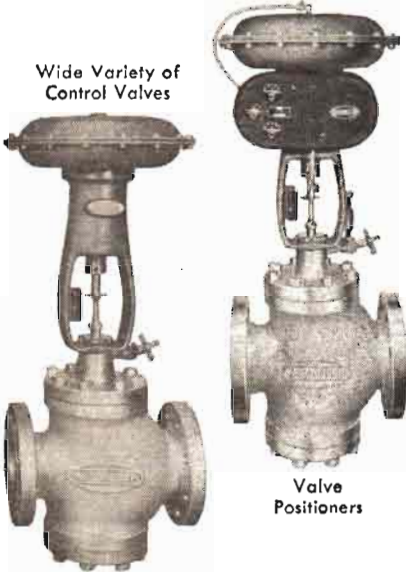
CANADA

Indicating,
Recording and
Non-indicating
Controllers

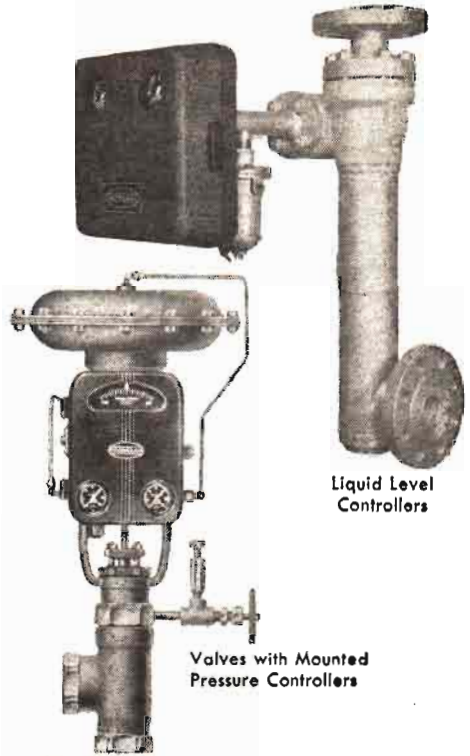


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