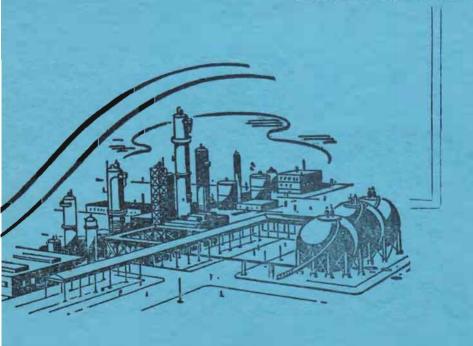


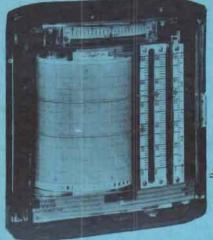


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Monthly Bulletin

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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 interchonge ideas and news at a social hour, o 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 1958-59 season are:

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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 wha do not earn their livelihood directly from them, such as stationary engineers, process operators, etc. Their dues are \$7.50 per annum.

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

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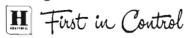
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The "BULLETIN"

VOLUME 8: No. 1 SEPTEMBER, 1958

EDITOR'S NOTES

Once more the first issue of another season, as can be expected, the most difficult of issues to produce for we must contend with tardy advertisers, reluctant contributors and a lethargic editor. We solicit your understanding and patience this month and hope for an end to procrastination.

Everyone has been mailed an advance notice of the September meeting, which promises to be at the high standard, reached and maintained last year.

Sometimes I am asked, "How come you keep on editing this "Bulletin" year after year?

There are a number of answers, which, when put together may clear the matter up.

Many years ago, the magazine was the brain-child of Larry Hall. To Larry must go all credit for fertilization, conception, gestation, delivery, development and weaning. Having seen his offspring grow from a crude hand-bill to its present handsome form, he wove a strong hypnotic spell and compelled me to love the baby. Thus, the magazine owes such good qualities as it has to Larry's hard work and organizing ability.

Once caught in the web, I have found escape difficult. All persons we have ever approached with the offer, of this position, have displayed o charming blend of shyness, modesty and lack of patriotism that has been completely effective.

As no successor appears likely, I am forced to carry on and make the best of a not-so-bad job.

I have a theory, (rationalization perhaps), that everyone should compell himself to do some duty that is of value to others and yet is of a voluntary nature. Most people act on this theory in one or more ways. Some are workers in political, fraternal, religious or other organizations. Some lead the boy scouts. Some teach Sunday School. Each in his own way gains satisfaction from this extra, free-will activity. Work on the magazine has given me a lot of satisfaction. Like the ancient ecclesiastics who wore hair shirts, I feel better when I get one off..

Last season, the executive held a discussion and agreed that it would be our policy to apply no censorship, muzzling or veto powers on any material submitted to us for use in the "Bulletin". This is a good policy and is continuing. We invite letters, articles, comment and criticism from all our members. Controversy is stimulating, we welcome it.

If you have strong feelings about anything connected with the section activities (or lack of) or about your work, write it down and hand it in. There is every chance that you will be disagreed with and the resulting debate is good for circulation.

-H. Hobbs.

PRESIDENT'S CORNER

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By Mike Hicks

¥.

Tradition ordains that at the beginning of every I.S.A. year the President writes a note in the section journal urging the members on to bigger and better things during the coming year and unfortunately the editor will not let me rest until I have performed this rather dubious honour.

As I wondered what I should write about (somehow the literary muse never seems to come to me when I want her) I suddenly thought about tradition and what it means to us all. Coming from the Old World I suppose I am more conscious of tradition than most of my readers but traditions, you know, are something like trees, they take years to grow yet can be destroyed in a few minutes and I think we should all examine the situation carefully before we light heartedly destroy a tradition.

All of you may wonder what on earth this has to do with the I. S. A. Last month your executive instructed our National Delegate to vote in favour of the proposed constitutional changes at the annual meeting of the society in Philadelphia. It was a perfectly logical decision but if these constitutional changes are accepted by the society, and there seems to be little or no doubt that they will be, a tradition will, in my opinion, have been destroyed.

This tradition has been built up slowly as all traditions are over a period of some twelve or more years. When the Society was formed there was no such thing as an instrument engineer, the breed just didn't exist. The instrument man, however, was a member of a craft rather similar to a medieval guild. The qualifications required cannot be put in words but certainly a number of years on the job was a major item. Anybody was eligible provided they met these mysterious qualifications and certainly academic knowledge or more properly the lack of it was no barrier. Rightly or wrongly there was certainly a class distinction between instrument men and other trades but within the guild there was no class distinction. All within the closely knit circle rather pitied those "lesser breeds without law" which were not amongst the select few. This tradition, rightly or wrongly, has now been swept; away and we are to have instead a society which is a mirror image of many other professional societies already in existence with

different grades of membership corresponding to the proper academic qualifications. Far be it from me to criticize the action of the "task force" in recommending these changes. Better brains than mine have wrangled many hours over this "agonizing re-appraisal" and have concluded that it is the right thing to do. I know only too well the cogent arguments for these changes and there is no logical answer to them. But when the constitutional changes are approved in Philadelphia let us not forget that the bang of the president's gavel will sound the death knell of the old time instrument man and in consequence a tradition. Maybe it is right that it perish but at least let us be aware that we are killing it and even though we bury the instrument man let him not go to his grave without honour.

*

TREASURER'S REPORT

Receipts	Expenditures	
Balance of 1957-58 \$ 730.78	Bulletin\$1,009.74	
Membership 324.41	Monthly Meetings 151.20	
Section Bulletin 1,058.65	Special Events 50.36	
* 1	Office & Miscellaneous 127.82	
Total \$2,113.84	Total \$1,339.12	
Bank Balance starting September, 1958 — \$774.72		
ν		

IMPORTANT NOTICE

Treasurer requests that all members paying dues, please pay directly to him, whenever possible. While payments directly to National Office eventually reach the right place, remittances back to this section from that office arrive in numerous small amounts and doing the banking business in connection with these, becomes unnecessarily complex.

* * *

ANNOUNCEMENTS

As part of the educational activities of the Sarnia Section, we have come to an arrangement with the local school board whereby any surplus technical magazines which people have available will be distributed to the local high schools. We should therefore appreciate it if members would save their old magazines and bring them to the monthly meetings where they will be collected and distributed to the schools.

PROGRAM CHAIRMAN'S NOTES

The theme of our September meeting should warm the hearts of all our members who are boating fans. It is none other than — propellors. This may sound a bit like the program chairman has finally flipped his lid, but hear this.

We are supposed to be holding instrumentation meetings, so how did propellors get in here? Well, if you put a propellor in a pipeline, the moving fluid will force the propellor to rotate. The speed of rotation is proportional to the rate of flow. This makes a very neat linear flowmeter.

Our guest speaker, Mr. Doug. Lynch from Fischer and Porter is going to discuss flowmeters of this type. The Fischer and Porter company, by the way, prefer to call this meter a "turbine meter" rather than a propeller meter. This is probably a result of Fischer and Porter's flare for the fancy, and we should not hold it against the speaker. There are a number of tough metering situations in chemical processing and refining which can be successfully met by turbine meters. These situations will become apparent as the discussion unfolds.

Getting back to propellors, leading manufacturers of industrial mixing equipment has loaned us a sound coloured film which elucidates the science of obtaining thorough mixing inside of vessels of all types. As a general rule, mixing, or lack of it, does not often affect our instrument work, except perhaps in the temperature measurement field. We have to face the fact, however, that we cannot always expect to have instrumentation films for our meetings. There just aren't that many around. The film which we have for this month is an exceptionally well done industrial production. It deals in interesting fashion with a matter which many of us work next to every day, but really know very little about.

This is the beginning of a new season of I.S.A. meetings. Our topics and our speakers for this season will be every bit as good as they were last season, if not better. We have a new meeting place, (please note), which we are sure will meet with everyone's approval. The only thing which can beat us is poor attendance. So, let's turn out and hear these speakers. You will do yourself and your I.S.A. section a lot of good.

MEETING NOTICE

TOPIC:

The Theory and Application of Turbine Meters

DATE:

MONDAY, SEPTEMBER 22, 1958

TIME:

8.00 P.M.

PLACE:

Y. M. - Y. W. C. A.

SPEAKER:

MR. DOUG. LYNCH Engineering Department

Fischer and Porter Ltd., Hatboro.

FILM:

"FLUID MIXING"

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WRITTEN ON A ROLL CHART

Under the "O", Fifty-Five!

We dwell, my children, in a changing world Of mounting costs and competition, keen, Bankruptcy ever haunts us, and quite oft The passing bailiff's baleful eye looks in Upon our honest threadbare poverty. We live from hand to mouth and craven four Bides with us like an unseen spectre-auest Remindful that the tight-rope we must tread Is stringent, strangling, strict economy. Why are we thus, who oft were wont to tread The light fantastic with a carefree step? Were friendly with bartenders and were known To quaff right deeply of the broth that cheers. Enough of this, resentment's rising tide Drowns out our fond-remembered happiness. Draw tight the sack-cloth robes, for time is fleeting. We lost our shirts at last accounting-meeting.

Behold, our advocate stands in the gloom, His ash-smeared visage pointed to the wall, All streaked and furrowed with tumultous tears That course in gusty torrents ever-more, Since he was bested in the great debate, Was unhorsed in the wordy tournament On which is based the great, month-end report. We all remember how, on that great day, The sun came up as he right often does, And ne'er a doleful raven flapping by. Gave rise to any gloomy prophecy. Our man went forth with gay and lightsome step, A-bristling with convincing balance sheets, Well-armed with charts whose accurate nicety Foretold an honest reasonable agin On our involved and interlocking trade.

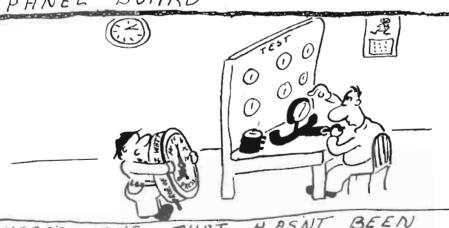
Alas, for us, his splendid sheets and charts Resembled not the others at the meet. His verbal volleys aimed with right good will, Missed target by unmeasurable amount. And reached unheeding ears. Resisting strong, He needs accept disastrous compromise. And now we flounder deeply in the red, Light not the fire, we'll cheaply stay in bed.

Why was there no agreement? Since you ask I'll tell you for I know of what I speak. The stuff we gaily pump to one another And treat and clean and measure oft and more, Is very loosely labelled and contains, Components we have never bargained for. Most gases are quite dusty, orifice runs Resemble soon an unswept soft-coal flue. Next, to the donor's very great surprise, Along comes water in a generous gush, And useful, in its place, but furnaces Grow sodden, cold and spounting fountainheads And we desire it not. The liquids that we buy Are half-way 'twixt a jelly and a wax And prone to bubble at the least excuse. Thus out the gaping, wanton, window-pane, Goes our accounting efforts. We await the day That errors swing a favourable way.

-H. Hobbs.



IT SURE IS A SNEAKY WAY OF GETTING US TO WATCH THE PANEL BOARD



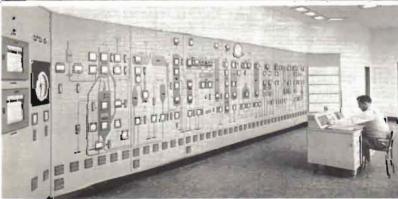
HERE'S ONE THAT HASNT BEEN CHANGED FOR SOME TIME. I FOUND IT ON A STEAM PUMP BEHIND THE UNIT.

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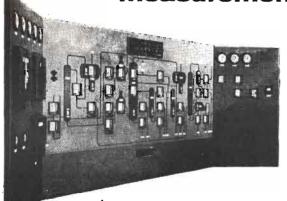
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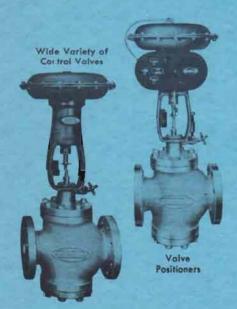
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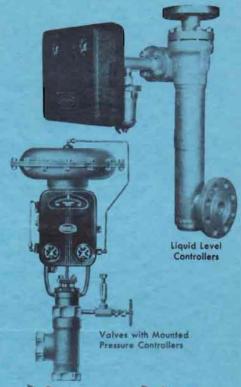
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