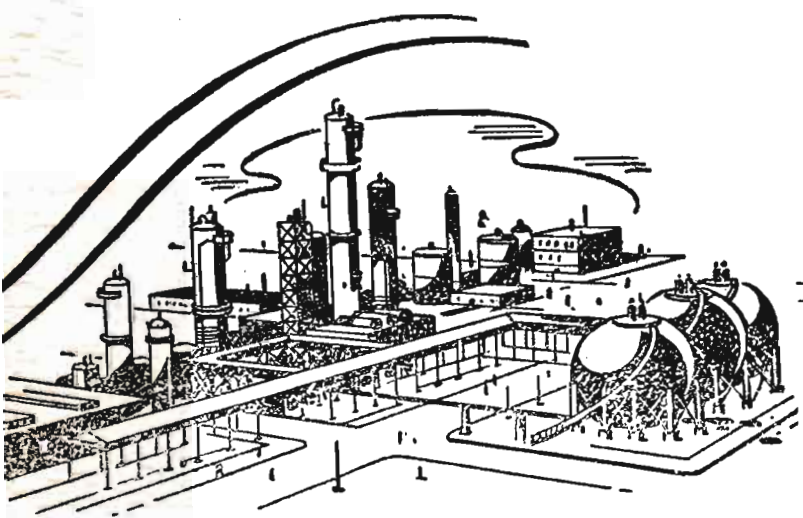


Apr 54

INSTRUMENT SOCIETY of AMERICA



SARNIA SECTION



Monthly Bulletin



The Instrument Society of America

SARNIA SECTION

has as its objectives the advancement of the arts and sciences associated with the theory, design, and use of instruments in the various industries and technologies in the Sarnia area.

The immediate benefits derived by the Sarnia members include the monthly publication, INSTRUMENTS, a monthly general meeting at which a qualified speaker discusses an instrumentation topic, and a winter school for instrument men who are interested in improving their knowledge of currently available instruments, as well as their servicing techniques.

Through the activities of its many committees, the national Society is striving constantly for the improvement and standardization of instruments and instrumentation techniques in the process industries. It is therefore worthy of the support of everyone to whom Instruments are a livelihood.

Executive Officers for the 1953-54 season are:

Honorary President	MR. G. E. EVANS Tech. Supt. Polymer Corp.
President	WARREN McKAY Polymer Corp.
Vice President	JACK HEATLEY Imperial Oil Co.
Secretary	LARRY HALL Sun Oil Co.
Treasurer	EARL EVERINGHAM Polymer Corp.

Meetings are held each month on the fourth Monday at 8.00 P.M. The meeting place will be the Sarnia Y.M.-Y.W.C.A. unless otherwise announced.

Membership dues are \$12.00 per annum for Members and \$7.50 for Associate Members, and are payable to the Treasurer of the Sarnia Section.

Correspondence relating to the general activities of the Sarnia Section should be addressed to L. J. Hall, Secretary, 730 Talfourd St., Sarnia. Correspondence concerning programs should be sent to H. Kohlmeier, Program Chairman, Polymer Corp., Ltd., Sarnia, Ontario.



*I*t was not so very long ago that accurate measurement of industrial processes depended entirely upon laboratory instruments. These instruments however, laboured under severe limitations for while they were extremely sensitive they were correspondingly delicate. Their mechanism could not withstand the corrosive atmosphere, shock, heat and vibrations characteristic to many of our industrial processes.

It is much different today. There are very few processes that cannot be accurately measured. Much of this can be attributed to the diligence of Honeywell research engineers who found a way to put the science of electronics to work in industrial measurement. From 1940 on, Electronic instruments swept away all earlier limitations. With this new approach of electronic continuous balancing, sensitive precise measurement was possible with rugged compact instruments. The production man now had at his fingertips accurate reports through quickly responsive and consistently reliable instruments.

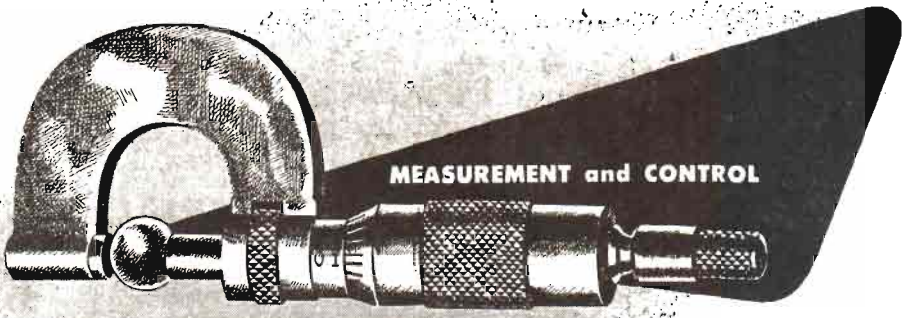
To keep industrial users abreast of new developments, techniques and products, Honeywell has on hand an extensive supply of literature that is available on request. There are several hundred Instrumentation Data Sheets covering particular applications. Also of interest is Instrumentation a quarterly magazine containing articles covering interesting installations. Industrial Control News, a bi-monthly describes small control devices and their applications.

Write today for a current list of I.D.S. application sheets or to be put on the mailing list to receive Instrumentation or Industrial Control News. These service publications will be sent to you regularly without cost or obligation.

Minneapolis Honeywell Regulator Co., Ltd., Leaside, Toronto 17

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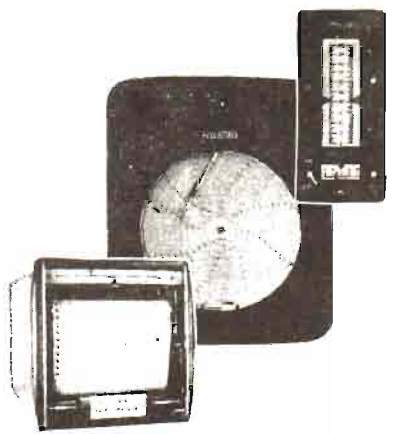


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Peacock represent six leading instrument manufacturers, whose combined products comprise probably the most extensive line of measurement and control instruments available... for flow, temperature, pressure, liquid level, humidity and other process variables.

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The "BULLETIN"

VOLUME 3 No. 7

APRIL 1954

Editor: Larry Hall

Circulation Manager: A. Upfold

Asst. Editor: Ross Lindsay

Advertising Manager: H. Kohlmeier

Illustrator: N. Knowles

"Written on a Roll Chart": H. Hobbs

DATE SET FOR ANNUAL MEETING

The date has been set for the annual meeting of the Sarnia Section, I.S.A. Mark this date on your calendar—Friday, May 28, 1954 at the Hotel Harrington, Port Huron, Michigan.

The committee has worked long and hard on preparations for this meeting and one of the hardest things to get is a place to hold it, especially on a Friday night. One of the criticisms levelled at the committee in the past has been the type of accommodation secured, or the

night, or both; so this year we are going to Port Huron where we can get just what we want when we want at no cost to the Section and no ardour-damping "blue laws."

So, keep the date in mind and let's make it the biggest annual dinner meeting we've ever had!

Our speaker will be Mr. Richard Rimbach, editor and publisher of "Instruments and Automation" magazine and former executive secretary of the Instrument Society of America.

MINUTES OF THE MARCH MEETING

The March meeting of the Sarnia Section, I.S.A., was held on Monday, March 22, 1954 at the "Y" with 27 members present. Two interesting films were shown, one on safe driving in satirical form entitled "Jeckyl and Hyde" and the other on the career of a famous Mexican bull-fighter with lots of action.

The nominating committee reported that they had secured nominations for the four positions vacant as follows:

President: Jack Heatley, Imperial Oil

Vice-president: Larry Hall, Sun Oil

Secretary: Bob Brayne, Cabot Carbon

Treasurer: Ron Asselstine, Canadian Oil

Further nominations may be made to the committee up to the April meeting, April 26th, provided they are put in writing and signed as acceptable by the nominee. Elections will take place at the April meeting and the new officers will be installed at the annual May meeting.

Company representatives from those companies in the Sarnia area with five or more members are to be elected by each group of members from the respective companies and it is up to the present company representative to conduct this election and report the result to the membership at the April meeting. Companies eligible are Polymer, Imperial Oil, Dow Chemical and Canadian Oil. One additional representative to represent members-at-large will be appointed by the new executive.

The president welcomed the honorary president, Mr. George Evans,

and Mr. George Lynt, of Taylor Instrument Companies.

Bob Connell introduced the speaker for the evening, Mr. Dick Pond, Divisional Sales Manager of Taylor Instrument Companies from Rochester, New York. Mr. Pond conducted a discussion on Graphic Panels showing how such a panel is designed and constructed and showed slides of various panels from early designs to the latest types to illustrate the progress that has been made on this type of panel. He was thanked by Gordon Catchpole.

The meeting adjourned for refreshments and informal discussion.

I.S.A. SCHOOL ON STACK CONTROLLERS

Plans are under way to conduct a school on stack controllers in the Sarnia area. A committee consisting of Warren McKay, Polymer; Jack MacLean, Canadian Oil; Hadley Cole, Dow Chemical; Larry Hall, Sun Oil, and Jack Heatley, Imperial Oil, chairman, is working hard to try to arrange for a school to be held about the middle of May.

Present plans call for three sessions per day, 8 a.m. to noon, 1 p.m. to 5 p.m. and an evening session 7 p.m. to 11 p.m. Each session will be self-contained; that is, each stack control will be discussed three times in one day, so that three separate groups of instrument men can attend. It is intended that one type

boro Company of Foxboro, Massachusetts. The school will probably run for four days consecutively.

Companies in the area will be sending men of their choice to attend each session during the day without regard to membership in the I.S.A. The evening session will be reserved for I.S.A. members only who either are not chosen by their company to attend the day session or who wish to repeat the day session on their own time.

When plans are sufficiently advanced, registrations will be accepted by your company representative, and a definite session allocated for you. In the meantime keep the idea in mind if it interests you.

THE APRIL MEETING — SARNIA SECTION I.S.A.

The speaker for the April meeting, which will be held at the "Y" on Monday, April 26, will be Mr. John G. Dobson, Manager of the Chemical Industries Division of the Foxboro Company of Foxbor, Massachusetts.

Mr. Dobson was educated at Blair Academy (1932), Cornell University (M.E. 1936) and Fordham University (L.L.B. 1941) and is a licensed professional engineer for the state of New Jersey and a member of the New York Bar.

He has had experience in the design and operation of synthetic organic chemical plants and the design of industrial waste treatment plants including the first continuous plant for the disposal of cyanide waste. He also partook in the development of the first successful control system of marine growths in power house tunnels.

Mr. Dobson is a member of the American Institute of Chemical Engineers, the American Chemical Society, the American Society of Mechanical Engineers and the Ameri-

can Association for the Advancement of Science.

The speaker's subject will be "Quality Control of Fractionation Columns". This will be an expert treatment of the subject and will be of interest not only to instrument men but also to process men, plant engineers, etc. An open invitation is hereby extended to all interested persons in the Sarnia area to attend this meeting, whether a member of the Instrument Society of America or not. The meeting will be held at 8.00 p.m., Monday, April 26th, in the basement of the "Y".

Company News

IMPERIAL OIL

JOE WOODCOCK has been appointed acting instrument foreman in the absence of ALBERT ELLIS who has been off sick for some time.

GERRY ELDER, a former member of the Sarnia Section and now with I.O.L. in Winnipeg, has just returned from Hamburg, Germany,

where he has been assisting in the start up of a new Standard Oil Refinery.

BOB CONNELL, our former Program Chairman, who has just recently returned from the west is returning (to Regina) soon to assist in the start-up of the new I.O.L. Cat Cracker there.

AT LARGE

GORDON TOTHILL recently left Hiram Walker in Windsor, Ontario to accept a position at Chatham, Ontario as manager for Johnson-Turner.

JOHN DORNIAN, formerly employed at Polymer, has accepted a position in the instrument department of the Atomic Energy Commission of Canada. Members who wish to write may address their letters in care of the above at Deep River Post Office, Ontario. John would like to hear from some of the "old gang".

DOUG AYER has transferred his active membership from the Sarnia Section to the Montreal Section but has retained an affiliate membership with the Sarnia Section. Doug has been doing a lot of travelling since he left the Austin Construction Company at Sarnia. He went first to Baffin Island, North West Territories and then to Toronto. Now, he is more or less permanently settled at Montreal with Canadian Petrofina Limited who are building a 20,000 B.P.D. refinery there.

DOW CHEMICAL

We are sorry to hear that our representative from Dow and faithful House Committee Chairman, TOM MOORE, has been seriously ill with pneumonia for the last three weeks. He is out of hospital now and expects to be able to return to work soon.

Dow Chemical I.S.A. members have elected JACK ALMEY as their representative for 1954-55 on the Sarnia Section Executive. Jack was on the executive once before as treasurer.

ATTENTION!

**Instrument Manufacturers
Instrument Vendors**

Reservations for ads in "The BULLETIN", the monthly publication of the Sarnia Section of The Instrument Society of America are now being received. Make your reservation now and supply your copy later. Only seven pages of ads will be accepted with present advertisers having first choice and others on a first-come, first served basis. Publication of the new BULLETIN will start in September, 1954 and run for nine consecutive issues. Prices for nine consecutive insertions are as follows:

One page	\$100
Half page	\$ 60
Quarter page	\$ 35

Circulation is guaranteed at 225 for next year. This is an exclusive subscription field for instrument manufacturers since all copies go to instrument men, plant managers, purchasing agents, etc. in the Sarnia area as well as ten other cities in Canada and 60 cities in the United States.

A survey has shown that instruments were bought by some of our readers from every one of our advertisers last year. At \$11.11 per insertion for a full page advertisement, this is reasonably priced.

Send your application for an ad in THE BULLETIN stating space required to:

Mr. L. J. Hall
Managing Editor, "The Bulletin"
Sarnia Section, I.S.A.
730 Talfourd Street
Sarnia, Ontario, Canada

REMEMBER — OUR READERS ARE INSTRUMENT BUYERS

WRITTEN ON A ROLL CHART**(The Legacy)****Scene III**

A large control room. Outside, a heavy rainstorm and overcast sky. Men in dripping raincoats pass in and out, hold quiet conferences, or merely stand and stare morosely at the instruments.

One instrument near the centre of the panel seems to attract more than a fair share of attention. Every passerby looks at it as though they feel that some power of hypnotism can raise production.

Near one end of the panel, two mechanics are dismembering an instrument. They are surrounded by a heap of bearings, gears and shafts, and continually add to this as they work.

One, rather elderly and decrepit, speaks.

"Right doleful is the outside world this day
The darkening clouds well-populate the sky
The lightning and the thunder hold their sway
And make life miserable for you and I.
And fortunate are we that this machine
Chose this damp hour to grind unto a halt
And by the time the sun once more is seen,
We may have found and cured its every fault.
Roll on, O pumps, keep blowing all ye blowers,
Swing back and forth ye wond'rous Shaker Tray,
Drag not us out into the teeming showers
We will attend your wants another day.
And flicker not too long ye Hydro power
Beyond the limits of our time—delay."

Youth:

"I hear your long and fervent invocation
And with its sentiments I do agree
I do not need a test or demonstration
To know that rain would wet us instantly."

Graybeard:

"Now good production is the prime endeavour
Of every one who throngs this busy scene,
And every man has each his separate way
To bring about the best efficiency—
Each operator feels that all the rest
Are poor, misguided and of unsound mind.
Each one is sure beyond all argument
That he, and he alone is capable

Of properly adjusting all those things
Which make this operation possible.
His clever handling of the stills and towers,
His skillful treatment of the reflex pump
Are evidence to each of his great genius.
Each one of them is very very certain
That others' efforts are the bumbling kind
And of all skills that operators use
The one that they are really proudest of
Is making with a fine and feather touch
Adjustments to our friends the instruments.
And you and I my eager youthful friend
Do caper comically upon the rim
Of this far greater drama. Our small travails
Are trifling when considered in the sum
Of all that here transpires. Consider well
The power of deadly serious concentrating
Aimed at one vital all-important meter
Which we are never summoned to adjust.—
These operators who do set the span
And twirl so freely with the reset wheel
Consider that our work is needless there.
We must confine ourselves to other things."

Here an operator steps up to THE INSTRUMENT makes an adjustment and walks out of the control room. Another operator looks furiously around, makes another adjustment and also walks out.

There is a roaring noise offstage and all present rush to peer out the windows as a helicopter lands. Presently a superbly dressed figure enters trailed by attendants and umbrella bearers. He walks up to THE INSTRUMENT and makes an adjustment, turns and leaves, followed by his retinue. Normal work resumes.

Another man enters with mop and pail and begins work on the floor. Seeing everyone's attention diverted, HE makes an adjustment to THE INSTRUMENT. The curtain falls.

—H. Hobbs.

MEETING NOTICE

DATE: Monday, April 26, 1954

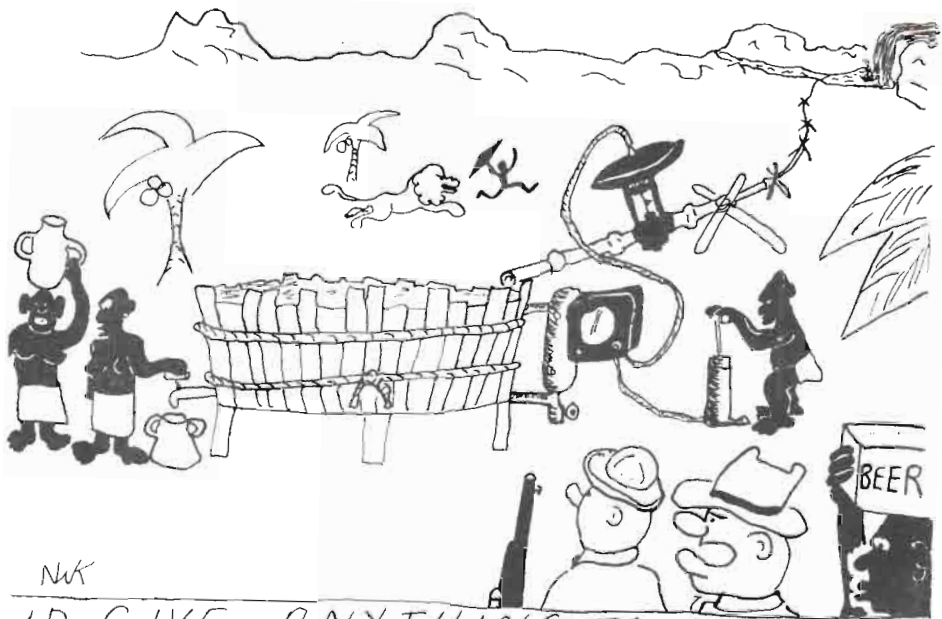
PLACE: Sarnia YM-YWCA

TIME: 8.00 p.m.

SPEAKER: Mr. John G. Dobson
Manager, Chemical Industries Division
The Foxboro Company
Foxboro, Mass.

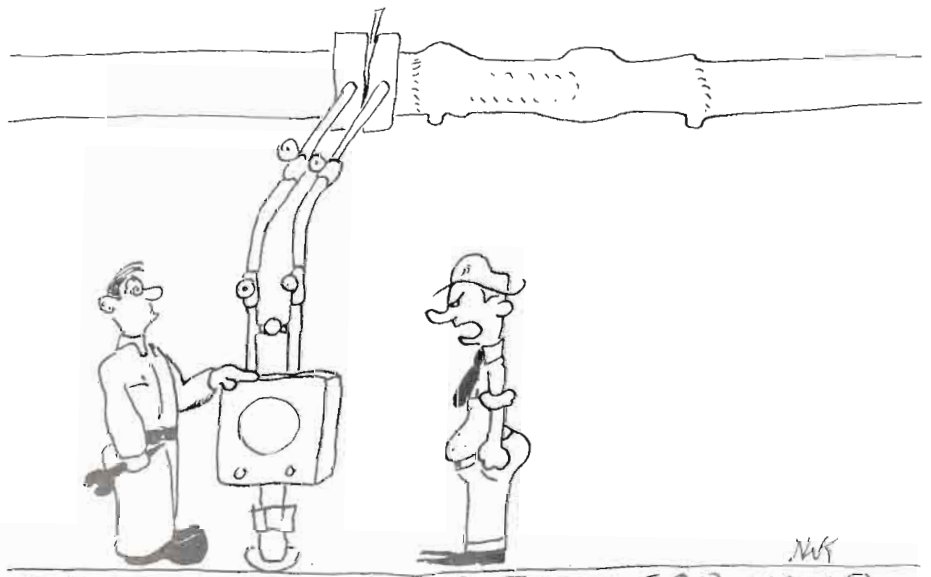
SUBJECT: **"QUALITY CONTROL OF FRACTIONATION
COLUMNS."**

Refreshments — Film



NK

ID GIVE ANYTHING TO HAVE THE
 GUY WHO SOLD THAT TO THEM
 ON MY SALES STAFF



NK

WHAT A HELL OF A TIME FOR YOUR
 HELPER TO DISAPPEAR, JUST WHEN WE
 GET A PLUGGED ORFICE TO WORK ON.

for modern ways to handle
old problems, specify Fischer & Porter
instrumentation for the



measurement and control of these variables...

CONSISTENCY • DENSITY • DIFFERENTIAL PRESSURE • FLOW
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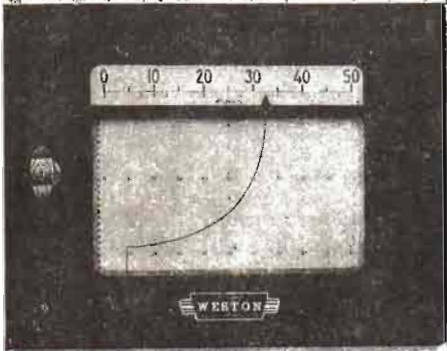
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is the keynote

NEW simplified Recording Potentiometer by WESTON

This new high-speed Recording Potentiometer by WESTON sets a new pattern for sound, simplified design . . . for simplicity and economy of maintenance . . . for sustained high accuracy and sensitivity. Here are a few of its many outstanding features:

- Chart Installation is simpler
- Chart Speed Changes are simpler
- Changing Ranges is simpler
- Pen and Carriage are simpler
- All Maintenance is simpler



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MONTREAL

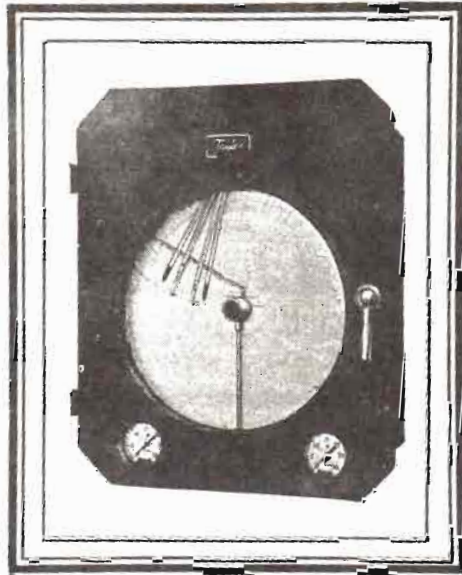
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Power and Mine Supply Co. Ltd.

WINNIPEG & REGINA

Portrait of a PRODUCTION BOOSTER



This dependable Taylor Fulscope* Recording Controller and other Taylor Instruments are being manufactured now in Taylor's brand new factory in Toronto, which has been designed to better serve industry with its instrumentation needs.

If you want to make something new, or better, or for less, it will pay you to call in Taylor and then let these "Production Boosters" go to work for you.

For information concerning instruments for indicating, recording and controlling temperature, pressure, flow, liquid level, speed, density, load, weight and humidity, ask your Taylor Field Engineer or write Taylor Instrument Companies of Canada Limited, P. O. Box 87, Station D, Toronto.

* Reg. Trade-mark

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COMPANY REPRESENTATIVES FOR 1953-54

Imperial Oil Limited
Polymer Corporation
Dow Chemical Company
Canadian Oil Company
Member at large

Joe Woodcock
"Nobby" Knowles
Tom Moore
Gordon Humphrey
Bob Brayne

COMMITTEE MEMBERS FOR 1953-54

NATIONAL DIRECTOR

J. W. Graeb

MEMBERSHIP

L. Parker

REFRESHMENTS

T. Moore

SPECIAL EVENTS

N. Knowles

EDUCATION

Jack Heatley

MAILING

A. Upfold

HOUSE

Bob Brayne

PUBLICITY

Larry Hall

FILMS

Len Carter

PROGRAMS

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INDUSTROL CORPORATION

—Dehumidifiers

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