THE 181ST MEETING
PITTSBURGH SECTION
AMERICAN CHEMICAL SOCIETY
Thursday, Oct. 19, 1922, at 8:15 P. M.
—AT—
MELLON INSTITUTE, Thackeray and O'Hara Streets.

AN ILLUSTRATED TALK ON
THE CRACKING OF PETROLEUM AND ITS
RELATION TO THE AUTOMOTIVE INDUSTRY

BY
DR. J. A. DAVIDSON

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According to Dr. J. J. Morgan of Columbia University

This Chamber is designed primarily for the determination of moisture in coal as per A. S. T. M. specifications. The material is brass, nickel-plated. The chamber is arranged for six crucibles and is intended to be used in connection with a standard drying oven, as for example the Freas automatically-controlled electrically heated oven. By means of the coiled tube, uniformly heated air or hydrogen is brought over the samples to remove the moisture.

Write for Bulletin No. 291.

EIMER & AMEND

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PITTSBURGH CONVENTION A. C. S.
SEPTEMBER 4-9, 1922,
COMMITTEE REPORTS

REPORT OF EXECUTIVE COMMITTEE


Any of the above will be glad to answer specific inquiries from other host sections regarding special details of preparation.

This report is intended to serve as a guide to other "Host Sections" of the A. C. S., just as their reports have been to us. Each adds something to the gracious art of entertaining and of giving these great Conventions the important place which they should have in the life of the community. The work of chemists in industry, in medicine, and in the service of mankind in general is so productive of beneficial result, that the encouragement of chemists by enthusiastic reception when they gather to make public their latest discoveries is eminently fitting. It is our feeling that the meeting of industrialists, bankers, and professional men outside the field of chemistry with the Councilors of the A. C. S. is an innovation worthy of adoption and development. A public meeting at which a popular address on the Progress of Chemistry is given would be a valuable means of promoting better understanding.

Reception at the railway station of guests not familiar with the city and lodging at points at a distance or for other reasons hard to find, is a courtesy which is appreciated. Advance reservation gives an opportunity for announcing time and place of arrival and whether guidance is desired.

The popularity of dormitory accommodation has been established beyond question. In those cases where Conventions are held in cities where these are not available, it is hoped that equally inexpensive quarters may be found. Cafeteria service is also a desired feature.

At the Councilors' dinner, our experience and that at Birmingham indicate an attendance of about 125 Councilors and 25 wives of Councilors. Chairmen of Convention Committees should be invited. So, also, should representative leading citizens be asked. The Presidents of the Engineering Societies, of the Medical Associations, of the Bar Association, of the larger industries and banks should be invited. A simple but good dinner followed by several short informal talks by representative chem-
ists and citizen guests seems to go well.

Registration should begin on the day of the Council Meeting and on the next day the facilities for prompt service should be greatest. Coupons for voting for excursions and social features worked well. It was found good practice to have the Treasurer of the Section receive directly all registration fees.

The bulletin service which made it possible for a man at any of the Divisional or Sectional meetings to know just how the programs of other meetings were going and to shift about in order to hear those papers in which he was interested, was made operative by the efficient work of the Program Committee and a large corps of aids.

The Reception before the Public Meeting on Wednesday night had many good features and gave an opportunity for chemists and citizens, both men and ladies, to meet and to meet the President of the Society.

The Garden Party was, as it had been found to be at the Chicago Convention, an enjoyable substitute for a formal banquet.

The Smoker, at which the entertainment was strictly our own, is believed to have shown the way to a substitute for hired entertainers.

The care of details by the Excursion and Entertainment Committees and the guides at the Industrial Plant made the excursion pleasant and profitable. Division into small groups, provision of handbooks, diagrams and exhibits, consideration regarding luncheon facilities, etc., all helped.

Expressions of sincere appreciation of all features of the Convention, including reservation and accommodation, reception and guidance, registration and information, programs and meetings, drives, lunches, plays, smoker, Garden Party, and Musicale and Excursions to Industrial Plants, have been received verbally and in writing in great numbers.

As to the financial side, we began, six months before hand to secure from our own chemist members pledges for funds. $4.00 was finally settled upon as the minimum. This would make the payment of registration fees unnecessary. Many pledged and gradually paid in larger sums. One half of the amount estimated to be necessary was raised in this way. The other half was contributed by Industrialists. Interest in the Convention was more general because of the greater number of contributors. Registration fees supplied the rest of the money needed.

Public interest in the Convention was brought about by a series of articles appearing in the Sunday papers regarding the accomplishment of chemists in recent times, and two wireless talks were given. We also had the co-operation of the A. C. S. News Service. We presented to industrial contributors to the Convention fund, copies of Slosson’s “Creative Chemistry” as a means of further interesting them in the Convention, which was to be held.

REPORT OF RECEPTION COMMITTEE

Pittsburgh, September 20, 1922.

Your Reception Committee has to submit the following report:

Registration Headquarters were opened Monday morning, September 4th, and facilities for registration were afforded members and guests of the Society until Friday noon, September 8th. Total registration at the Convention amounted to 1362. At the close of our work a classified list of registrants, by states, was prepared and forwarded to the Journal of Industrial and Engineering Chemistry for publication in the forthcoming issue.

The State of Pennsylvania led all others in number of registrations, of which the following is a detailed statement:

Registration from Pennsylvania

| Members, Men | 295 |
| Ladies | 7 |
| Guests, Men | 125 |
| Ladies | 155 |
| Total, Pennsylvania | 582 |

A study of these figures will show that a great many members of the Pittsburgh Section did not register.

The personnel of the Reception Committee varied from time to time, in accordance with the requirements of each occasion. The central committee included the names of C. S. Palmer, E. W. Tillotson, F. C. Frary, F. C. Clark, Rudyard Porter, L. C. Cooley, J. C. Whetzel, E. S. Stateler, E. S. Taylerson, Mrs. Brownlee, Miss Palmer, Miss Hunt, and R. E. Zimmerman, Chairman.

A sub-committee of thirty members under the supervision of Mr. Rudyard Porter, attended to the work of welcoming the guests at the four railroad stations and of directing them to the Convention Headquarters.

On Tuesday morning, September 5th, the Reception Committee was assisted at the Carnegie Music Hall by fourteen
of the more active and prominent members of the Pittsburgh Section.

The expense of the Reception Committee are given in detail below:

- 2100 Registration Cards .......... $14.50
- 2100 Coupon Sheets for Excursions, etc. .............. 32.75
- 19 Signs and Posters ............. 35.25
- 42 "Committee" Ribbon Badges .................. 3.35
- 1 Calico Curtain for Registration Deck .......... 4.50
- Stenographic Supplies .......... 1.25
- Toll Calls .......................... 1.15
- Transportation of Registration Material .......... 4.80

Total Expenses, Reception Committee ............ $96.55

As Mr. C. E. Nesbitt, Treasurer of the Pittsburgh Section, acted in that capacity on the Reception Committee, all registration funds were turned over directly to him, and he will, therefore, report to you the amount of the receipts at the Registration Desk.

Yours very truly,

R. E. Zimmerman,
Chairman, Reception Committee.

Pittsburgh, September 26, 1922.

Mr. R. E. Zimmerman, Chairman, Registration Committee, American Chemical Society Convention, Pittsburgh, Pa.

Dear Sir:

The Reception Committee which grew out of the desire to make our visitors feel warmly welcome and to aid them in seeking headquarters with the minimum of time and effort, was composed of two dozen men who generously gave their time to help put across what we hope was the best convention ever held by the American Chemical Society.

These men were located at the four important Railroad stations, P. & L. E., B. & O., Pennsylvania (Union) and East Liberty. They worked in pairs so that one man could leave the information table to show the strangers the proper route to his destination. Each pair worked a five-hour shift, the time being divided into three shifts each day for three days, Monday, Tuesday and Wednesday. The morning shift worked from 8:00 to 1:00 P. M., the afternoon from 1:00 to 6:00, and the evening from 6:00 to 11:00. These hours, however, were not strictly adhered to because train service was curtailed a great deal due to the railroad strike, and also because no one could miss the Smoker at the Syria Mosque.

The railroads supplied us at each station with a table and two chairs, and the space to hang a sign marked American Chemical Society Information. For these courtesies we are indebted to the following station masters and their assistants:

- Mr. Hapenny and Mr. Ayres of the Pennsylvania Station.
- Mr. Brown and Mr. Cowie of the East Liberty Station.
- Mr. Paul Kohl of the P. & L. E. Station.
- Mr. Drake and Mr. Handy of the B. & O. Station.

The men who composed the Reception Committee are:

F. W. Arnold
A. D. Bauer
Dr. R. H. Bogue
J. Burns
J. J. Byrne
W. O. Cook
J. N. Crombie
T. B. Downey
P. M. Edeburn
G. M. Enos
T. M. Felton
E. Hazlett
A. M. Howald
D. L. Jacobson
C. G. King
N. F. LeJeune
J. F. Myers
P. O. Powers
R. F. Remmler
G. W. Smith
K. S. Tesh
M. M. Whitaker
W. A. S. Wright

I wish also to acknowledge our indebtedness to Dr. A. Silverman, Dr. J. H. James and Mr. Geo. W. Jones, who helped us fill the ranks of the Reception Committee.

Respectfully submitted,
Rudyard Porter.

REPORT OF PUBLICITY COMMITTEE


Activities were started in June, by sending the local Press articles on Chemistry and notices and accounts of well known authorities who were expected to attend the Pittsburgh Meeting. Information was also furnished to the A. C. S. News Service in Washington for distribution to the General Press. Arrangements were made for Mr. Handy and Prof. Silverman to deliver talks on chemical matters over the Radio. As the date of the convention drew nearer, more news matter was furnished as to
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the Meeting, illustrations being used when possible.

On the Friday preceding the convention, B. P. Garnett, Mgr. of the A. C. S. News Service, arrived and all matters concerning the Press were turned over to him.

The fact is worth mention that the local Press was very considerate and our treatment by them was all that could be desired.

After the arrival of Mr. Garnett, your committee devoted its energies chiefly to the publishing of the Crucible.

Issues were made on four days, there being a total of 5,700 copies distributed. The cost of these was largely paid for by the advertising matter.

The committee wishes especially to mention the co-operation of the Bletcher-Anchors Printing Co., who were most helpful in the rush of printing the "Crucible" every day.

Respectfully submitted,

H. H. Craver, Chairman.

REPORT OF PROGRAM COMMITTEE


The duties assigned to the Program Committee consisted of:

1. Recommendation of subjects for addresses at the general meeting Tuesday morning and afternoon to the Chairman of the Local Section, President Edgar F. Smith, and Secretary Parsons.

2. Making arrangements for the general meetings and addresses for all sectional and divisional meetings, including bulletin boards in each room indicating papers being read at other sections, lanterns and lantern operators, and a system of sign boards both inside and outside the buildings giving directions to the various meeting places.

Program for General Papers and Addresses: In order to obtain suggestions for these papers letters were written to the chairman and secretary of each division requesting suggestions on topics of general interest and persons to give these papers before the general meeting. The editors of the journals were also consulted and valuable suggestions were obtained, especially from Dr. Howe, Editor of the Industrial Journal. A program of one principal address in the morning and four in the afternoon occupied the entire available time.

Thirteen lanterns with eight operators were used. Installation of lanterns and supervision of operation were efficiently handled by a subcommittee headed by Mr. C. L. Jones of Mellon Institute.

The bulletin board signs and messenger system were designed and operated by a subcommittee headed by G. W. Jones of the Bureau of Mines.

A bulletin board was installed in each room on which was given the name of each section and division, the number of the paper being read, the next paper to be read, and the second paper to be read. A large central bulletin board was placed on the campus between the three buildings in which the meetings were held. On this central board Mr. Yant (who was in charge of the messenger service) directed the movements of the 17 messengers, one for each room. Each messenger moved practically continuously between the central bulletin board and the room to which he was assigned, keeping the numbers current on the bulletin board in the room assigned to him and on the central bulletin board and the room to which he was assigned, keeping the numbers current on the bulletin board in the room assigned to him and on the central bulletin board.

Approximately 125 signs were printed and posted in the hallways of the buildings and on the grounds to direct people to the various meeting places. These were so well placed that no questions were necessary in finding one's way about.

ACKNOWLEDGMENTS

The program committee is deeply indebted to the Educational Institutions and Research Organizations of Pittsburgh, whose whole-hearted co-operation made it possible to provide ample facilities for the largest program of addresses and scientific papers yet presented at a national meeting of the American Chemical Society.

The beautiful music hall and foyer of the Carnegie Institute, and 18 lecture rooms in the Carnegie Institute of Technology were given over to the Society for meetings without any charge whatever. Colonel S. H. Church, President of the Board of Trustees, Carnegie Institute, Dr. Thomas S. Baker, Acting President of Carnegie Institute of Technology, and Dr. Douglas Stewart, Director of the Carnegie Museum, and their associates, were exceedingly helpful to the committee in many ways. Mr. Frank Orbin, Supervisor of Equipment at Carnegie Institute of Technology, took spe-
cial care to provide chairs, curtains, and to connect up lanterns in the sectional and divisional meeting rooms.

Special mention must be made of the effective work of G. W. Jones, W. P. Yant, C. L. Jones, and the following group who so ably assisted them in operating lanterns, arranging rooms, lettering signs and operating the bulletin board system. They gave their time unstintedly both before and during the meeting:

R. E. Emanuel
N. F. LeJeune
G. S. Frazee
W. H. Child
H. E. Dietrich
E. W. Felkel
W. V. Flanagan, Jr.
F. W. Hightower
P. O. Powers
Fred C. Smith
W. H. Smyers
W. F. Holbrook
W. L. Parker
W. B. Fulton
L. F. Waite
P. W. Edeburn
T. M. Felton
A. M. Ondrejco
J. A. Alt
L. J. Guth
H. S. Karch
J. H. Spear
I. D. Bauer

Respectfully submitted,
A. C. Fieldner,
Chairman, Program Committee,
Pittsburgh Meeting, A. C. S.
Pittsburgh, Pa.,
September 29, 1922.

REPORT OF EXCURSION COMMITTEE

Upon the writer's appointment as Chairman, the following committee was organized:

E. Blough, Chairman
C. C. Vogt,
L. C. Turnock,
W. L. Faragher,
W. C. Gruse,
L. R. Forman.

It was decided by the Society that the Excursion Program should consist of an all-day excursion on Friday, September 8th, 1922. The committee agreed that the two plants most interesting to the members of the Society, and which were at the same time available, were the Clairton Plant of the Carnegie Steel Company, and the Monongahela City Plant of the American Window Glass Company. Accordingly, a special train of the Pennsylvania Railroad was run on Friday, September 8th, visiting on the morning of that day the Clairton works of the Carnegie Steel Company, and in the afternoon, the Monongahela City Plant of the American Window Glass Company.

The program of the Society for Saturday consisted of optional excursions. The following plants were visited by a varying number of visitors:

Carnegie Steel Co., Duquesne Works.
Phoenix Leather Co., N. S., Pittsburgh.
Duquesne Light Co., Colfax Station.
National Tube Co., McKeesport.
Pittsburgh Filtration Plant, Aspinwall.
Allegheny Plate Glass Co., Glassmere.
American Steel & Wire Co., Donora Works.
Standard Chemical Co., Pittsburgh.

Without wishing to draw any undue comparison, the chairman of this committee desires to recommend to the Society that the thanks of the Pittsburgh Section be extended in appropriate manner to the Clairton Works of the Carnegie Steel Co., to the Monongahela City Plant of the American Window Glass Co., and to the Pennsylvania Railroad. Their efforts in connection with the all-day excursion were absolutely indispensable to the success of the excursion and the officials and other employees of the companies mentioned left no stone unturned that made for the pleasure and comfort of the visitors. I would recommend therefore that appropriate action be taken by this Section, extending our thanks to each of the above companies, and that such action be sent them by our secretary or chairman.

Very truly yours,
E. Blough, Chairman.

REPORT OF LADIES' COMMITTEE

Pittsburgh Meeting of the American Chemical Society

After a careful study of programs of entertainment of the ladies at meetings in other cities, a plan of organization was adopted four months before the meeting, and the following committees formed:

Executive Committee
Mrs. J. O. Handy, Chairman

Social Committee
Mrs. E. R. Weidlein, Chairman
Mrs. C. G. Fisher
Mrs. C. G. Schluederberg
Mrs. W. Fred Faragher

Transportation Committee
Mrs. R. E. Zimmerman, Chairman
Mrs. Jos. A. Shaw
Mrs. Dan Buck
Mrs. J. C. Whetzel
Mrs. M. E. Golding
Registration Committee
Mrs. R. E. Brownlee, Chairman
Mrs. H. F. Sill
Miss Gretchen Palmer
Miss Gertrude Price
Miss Lois Linhart
Miss Sue Smith
Mrs. E. S. Stateler

Excursions Committee
Mrs. Earl Blough, Chairman
Mrs. E. H. Tillotson
Mrs. H. V. Churchill
Mrs. G. H. Mengel
Mrs. P. V. Faragher
Mrs. R. L. Moore

Luncheon Committee
Mrs. C. C. Vogt, Chairman
Mrs. D. R. Kellogg
Mrs. H. A. Kohman
Mrs. Marc Darrin
Mrs. J. B. Alley
Mrs. P. V. Faragher
Mrs. F. W. Sperr, Jr.
Mrs. H. G. Elledge
Mrs. Tracy Bartholomew

Finance Committee
Mrs. C. E. Nesbitt, Chairman

Housing Committee
Mrs. J. H. James, Chairman
Miss Ida Mary Hood

Several meetings of the committee chairmen and several open meetings were held during the summer, and plans were perfected for the reception and entertainment of the visitors.

The Councilors' wives were registered on Monday, Sept. 4, and they, with the members of the executive committee, had dinner at the Duquesne Club and later attended Eugene O'Neill's play, "Anna Christie".

Tuesday morning an informal reception was held in the foyer of Carnegie Music Hall, and the guests were registered. In the afternoon the visitors were taken in automobiles over Herron Hill, through Highland Park and out to the Pittsburgh Field Club for tea.

Tuesday evening "The Bumpstead Leigh" was presented by the students of the School of Drama, Carnegie Institute of Technology, in the Little Theatre.

Wednesday the ladies were the guests of the H. J. Heinz Co. at a luncheon in the company's plant, and were conducted through the factory. A reception in the foyer of Carnegie Music Hall preceded the public address by the President Edgar Fahs Smith Wednesday night.

The Department of Fine Arts, Carnegie Institute was visited Thursday morning, the tour being followed by an address by Homer St. Gaudens, Director.

A garden party was held at Oak Manor Thursday evening, at which about fifteen hundred of the chemists and their friends enjoyed the informal reception, the buffet supper on the lawn, the open air play by the Drama School Students and the dancing.

The ladies motored to Sewickley on Friday for luncheon at the Allegheny Country Club, and the farewell reception took place Friday night at the Twentieth Century Club, with a recital by Miss Amelia Donovan, accompanied by Mr. Earl Mitchell.

Grateful acknowledgement is hereby tendered to all who assisted the various committees, especially to Mrs. N. W. Storer, Mrs. William Gates, Mrs. W. A. Schaeffer, Miss Louise Jayme, Mrs. James Geegan, Miss Ida M. Allerton, Col. James Milliken, Mr. A. R. Ellis, Mr. Bryce McQuiston, Mr. Donald Campbell and Mr. D. F. Crawford, who furnished automobiles for the drives.

Acknowledgment of courtesies received from the Duquesne Club, the Pittsburgh Field Club, the Allegheny Country Club and the Twentieth Century Club is made hereby.

The hospitality of the H. J. Heinz Co. is appreciatively mentioned. The helpful guidance of the Directors of the Carnegie Museum, Art Galleries and Libraries and the lecture by Mr. Homer St. Gaudens were much appreciated.

The kindness of Dr. Bowman and the University of Pittsburgh and the Mellon Institute in extending the use of Oak Manor for the Garden Party made possible one of the most enjoyable features of the Convention.

To Miss Anna Dyce of the Drama School of the Carnegie Institute of Technology much credit is due for the arrangement of the plays. To Dr. Thos. Baker, Acting President of the C. I. T., thanks are due for the use of the dormitories and to Mrs. White for special consideration shown to ladies stopping there.

To Mr. Chas. Boyd of the Pittsburgh Musical Institute for kindness in connection with accessories furnished for use at the Musicale, we express thanks.

And to members of the local section who were helpful in furnishing cars and in many other ways, the committee extends its thanks.
SUMMARIZED REPORT OF FINANCES

Fall Convention Funds, Pittsburgh Section, American Chemical Society, September 4th to 9th, 1922

RECEIPTS:
Industrial Contributions ........................................... $4,425.00
Individual Contributions ............................................. 5,028.76
Excursion Fares ...................................................... 811.00
Advertising .................................................................. 557.50
Total ........................................................................... $10,822.26

EXPENDITURES
Executive Committee $ 32.30
Finance Committee ....................................................... 41.56
Registration Committee ................................................. 86.05
Hotel Committee .......................................................... 143.10
Excursion Committee ...................................................... 892.75
Program Committee ...................................................... 91.46
Museum Committee ........................................................ 1.55
Publicity Committee ....................................................... 899.78
Entertainment Committee ............................................. 5,854.49

Councillors .......... $ 707.35
Pgh. Field Club Tea ....................................................... 130.20
Smoker ................................................................. 1,178.21
C. I. T. Play .............................................................. 250.00
Heinz Trip ................................................................. 39.00
Allegheny Country Club ................................................... 375.00
Public Reception .......................................................... 143.00
Lawn Party ................................................................. 2,735.23
Musical ................................................................. 296.30

Total ................................................................. $8,042.84

BALANCE ON HAND .................................................. $2,779.42

Respectfully submitted,
C. E. Nesbitt,
Treasurer Pgh. Section
American Chemical Society
September 26th, 1922.

PRESIDENT SMITH COMMENDS THE PITTSBURGH MEETING

Our Chairman, Mr. Handy, received the following letter from Prof. Edgar Fahs Smith, President of the A. C. S. Mr. Handy states that this is only one of the many sincere expressions of appreciation that he has received and it is evident that we have succeeded in accomplishing all we hoped to do.

"My dear Mr. Handy:
"Everywhere I hear the most flattering expressions in regard to the Pittsburgh meeting of the A. C. S. From my personal experience with the meetings of the Society, I place this particular meeting at the front. All who were here have had a profitable and happy time. Your hospitality has been particularly grand. For all that you have done for Mrs. Smith and myself, I thank you most heartily. Every member returns his gratitude to you and your associates.

"The ladies of Pittsburgh have made a splendid success of their part of the program. Please thank all committees and individuals for me for what they have done to make the occasion so brilliant and worth while. Truth is, I know not how to express my obligation and gratitude properly!

"Tomorrow (Saturday) morning, Mrs. Smith and I go to Columbus, then to Springfield, (Ohio), then to Cleveland, after which we'll return to old Philadelphia with happiest thoughts of you all. We shall be talking about all the things you did to delight us.

"Pittsburgh—Imperial daughter of the West, farewell!
Faithfully yours,
Edgar F. Smith."

GOOD OCTOBER MEETING PLANNED

In getting Dr. J. D. Davidson for our October meeting, the Program Committee has arranged for a very interesting topic and speaker. Every automobile owner wants to know the future of fuel supplies, and how much he may have to pay for his "gas." Dr. Davidson, who received his doctor's degree at Columbia University, will throw some light on these. He has been at the Mellon Institute two years, specializing on cracking processes. Part of his time is spent at an experimental cracking plant in Kentucky. He will speak on "The Cracking of Petroleum and Its Relation to the Automotive Industry." The talk will be illustrated. Bear in mind that the A. C. S. meetings are your opportunity to learn what the big chemists are thinking and doing. Start right by being at the first Fall meeting.

Following the meeting time will be devoted to the laborious operation of pumping liquid fuel into the tanks of our heavy tractors, model 1840, and speedster models up to 1922. We plan on having a league of cider and a chain of pretzels. It will be free and high test purity, so don't let that worry you. It is suggested that you fortify yourselves with your own favorite brand of Pittsburgh stogies.
PITTSBURGH SECTION
of the
American Chemical Society

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Pittsburgh Testing Laboratory

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E. R. Weidlein
Mellon Institute of Industrial Research

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Employment Committee
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Carnegie Institute of Technology

The Crucible
published monthly
by
The Pittsburgh Section

Editor
E. J. Casselman
Westinghouse Research Laboratory

Manager
H. H. Craver
Pittsburgh Testing Laboratory

ELECTION OF LOCAL OFFICERS
FOR 1923

The order and procedure for election of local officers is required by the Constitution and By-Laws to be as follows:
1. Nomination Ballots are sent out with October “Crucible” and returned by mail by members to the Secretary.
2. Ballots for formal election are sent out with November Crucible and returned by mail to the Secretary.
3. Election results are reported by Canvassing Committee in December Crucible and at December meeting.

We have all had a strenuous year with our Convention. Many of us have unstinted given time, money and energy to putting the convention across, and the Section as a whole has given is hearty support to this unusual undertaking. The last thing the Section wants now is an aftermath of disinterestedness. A live group of officers will offset any such tendency, and the least each one of you can do to show that you are not disinterested is to fill in the enclosed ballot with your best selection of officers, and mail it to E. S. Stateler, Mellon Institute.

THE CRUCIBLE NEEDS A NEW EDITOR

The following letter of resignation is self-explanatory. No one has yet been appointed to fill the vacancy but several dark horses are already in view for this high-salaried job. E. H. McClelland has been prominently mentioned, and will have to pay a greater income tax if he accepts the position.

WESTINGHOUSE ELECTRIC & MFG. CO., EAST PITTSBURG, PA.

Micarta Laboratory,
October 4th, 1922.

Mr. J. O. Handy, Chairman,
Pittsburgh Section, A. C. S.,
Box 1115,
Pittsburgh, Pa.

Dear Mr. Handy:

I find that after the October number of the Crucible it will be very hard for me to continue as its editor. As you know I am no longer at the Research Laboratory but in charge of a new laboratory just recently installed here. Due to the work incidental to establishing this new department and also the fact that I am located at such a great distance from the other activities of the Section I feel obliged to tender my resignation as Editor.

I very much appreciate your own help in getting material for many of the issues.

With best personal regards, I am,

Very truly yours,

E. J. Casselman.

Editor, The Crucible.
MEETING OF SEPTEMBER 26th, 1922

A special meeting was called by Chairman Handy for the purpose of clearing up convention business, of informally nominating members for next year's national president and councillors at large, and of initiating a drive for new membership in the A. C. S.

All but about 500 of the local members attended this meeting, which was held in the Fellows Room of the Mellon Institute Tuesday night, Sept. 26, 1922. The first part of the meeting consisted of reading reports by the various committee chairmen. These reports are abstracted elsewhere in this and succeeding issues. Perhaps the most notable of them all was that by Nesbit, the Treasurer. He pointed out that no one of the estimates made before the convention of the costs of the various items was off by more than 0.1 per cent, like a high grade chemical analysis. The steel melters at Edgar Thompson plan have known Nesbit as chief chemist a long time so we have all kinds of faith in the composition of the steel poured there.

E. R. Weidlein, Chairman of the Finance Committee, can keep a secret as well as a member of the ladies' sewing circle, but he finally loosened up and told us that we had the financial backing of R. B. Mellon the whole time, even if some of us didn't know it. Mr. Mellon gave authority to spare no expense in making the convention the best possible, and he would see that any deficit was met. As it turned out (see Treasurer's report) there was a surplus of some $2,700 so Weidlein did not need to call on Mr. Mellon for funds. Nevertheless, the Section is very deeply appreciative of Mr. Mellon's generosity and good-will toward the chemists.

The question of disposal of this surplus was brought up, and the suggestion made that it be used to start a fund for getting first class nationally known speakers for our meetings. There was some opposition to this as it was pointed out we might have other needs for money and it would be inadvisable to tie it up to one purpose. Rodman, as Chairman of the Program Committee, saw his chance at the funds and made such an attorney-for-the-defense speech that the Section voted to devote the money to the single purpose of getting good speakers.

Most of the reports contained suggestions of use to committees running future conventions. Mr. Handy has all these reports and they will be available to anyone wishing any information from them.

Following the reports nominations for certain national officers were in order. Everyone seemed to have E. C. Franklin of Leland Stanford in mind and he was favorably mentioned by several members.

The Section had the privilege of naming four councillors-at-large and there was a concerted rush at the kickoff to name E. R. Weidlein of the Mellon Institute for these four places. It is understood, of course, that this was not a formal action of the Society, but only an aid to the Secretary in getting eligible names for the coming election. The local Section has no dearth of good men who would be a credit to us as councillors-at-large, and A. C. Fieldner of the Bureau of Mines also has many friends in the Section.

The new membership campaign opened up with a suggestion from Secretary Stateler that we do our first missionary work at home on members who have let their dues slide two or three years and ought to be back in the fold. Attention was drawn by Kellogg to the "student membership" and by Weber to the "corporation membership" with its special privileges. The meeting closed shortly before 10 p. m. (This information for those who are onl let out at night on condition.)

CARNEGIE LIBRARY NOTE

The Carnegie Library of Pittsburgh recently published a list of books written by Pittsburgh chemists and metallurgists. An extensive list has also been issued of the biography of water glass. Anyone interested should get in touch with Mr. McClelland of the Technology Section.

PERSONAL ITEMS

Mr. Frank E. Rupert has resigned from his position as Instructor of Physical Chemistry at Carnegie Institute of Technology and has accepted a position as Research Chemist with the Anti-Gas Division of the Chemical Warfare Service, Edgewood Arsenal, Edgewood, Md. Dr. R. V. Murphy has been appointed Instructor of Physical Chemistry at Carnegie Institute of Technology. Dr. Murphy was formerly connected with the National Cement Manufacturers Association as Physical Research Chemist.

REPORT OF EMPLOYMENT COMMITTEE

Pittsburgh Section American Chemical Society, September, 1922

Following application received since last publication.

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No. 15—College Graduate, 1922. Pittsburgh District, no experience, desires chemical work. Salary reasonable.

No. 16—College Graduate. Not in Pittsburgh District, 1 year commercial, 2 years’ teaching experience. Desires chemical work. Salary—$135.00 per month.

No. 17—College Graduate: Not in Pittsburgh District, little experience, desires chemical work. Salary not mentioned.

No. 18—College Graduate, 1922. Pittsburgh District, desires chemical work, not routine. Salary not mentioned. The above were available during August. None have informed us as to present position.

Several positions have been filled during the summer, but owing to residence distance from Pittsburgh of some applicants, it is difficult to place them. For this reason, we have specified the residence either in the Pittsburgh District or out of it.

If any applicants of this summer will write the Committee as to their present situation, it will be appreciated.

Respectfully submitted,

K. K. Stevens, Chairman.

MEMBERSHIP CHANGES

New Members

Gwyer, Rev. Chas. F., 7114 Kelly St., Pittsburgh.


Burrell, G. H. 6332 Douglass Ave., Pittsburgh.

Downey, Thomas B., University of Pittsburgh.

New Members by Transfer
Freeman, Charles, New Wilmington, Pa. (from Santa Fe, New Mexico).

Flick, Fulton B., Aluminum Co. of America. (from Ames, Iowa.)

Fair, Frederick C., Foxburg, Pa. (from Hammond, Ind.)


Padgett, Fred W., Mellon Institute, Pittsburgh, Pa. (from Norman, Okla.)

Cade, Arthur R., Mellon Institute, Pittsburgh, Pa. (from Indianapolis, Ind.)

Jeffreys, Elizabeth, Hubbard, Ohio. (from Glasgow, Wis.)


Pearsall, David E., 174 Main St., Brookville, Pa. (from Philadelphia).


Jessop, Earle N., Thermatic Carbon Co., Pittsburgh, Pa. (form Monroe, La.)


Sill, H. F., 5204 Woodlawn Pl., Pittsburgh, Pa. (from Littlestown, N. H.)

Members Lost by Transfer
Bashore, E. G. Port Arthur, Texas.

Pope, Helene, Phillips, Maine.

Stericker, Wm. Swarthmore, Pa.

Reamer, Ronald, Port Arthur, Texas.

Erskine, A. M., 54 College St., Clinton, N. Y.

Zimmerman, Jr., Harry A., 1519 Briarwood St., Columbus, Ohio.

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The arrangement is that of Hildebrand (see Journal of the American Chemical Society, 35: 847, 1913) with a L & N. d' Arsonval Galvanometer of the pointer type substituted for the capillary electrometer. A stirring device of some convenient form (not shown in illustration) should be used with the outfit.

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4044. Single Contract Key 3.00
4800. Portable d'Arsonval Galvanometer, L & N. 18.00
8714 Rheostat, 920 ohms 8.00
8810. Weston D. C. Millivoltmeter, 0-1200 millivolts 18.75
8741. Coll, 10,000 ohms, mounted 10.00
1373. Single Pole Single Throw Switch .40

2410. Paired Burettes, 50 ml in 1/10ths for titrating 8.00
9336. Support, large 1.00
3222. Clamps, (3) ea. .40
2050. Burgess Super-six Dry Cells (2) ea. 1.00
9357. Support 1.00
3218. Clamp .70
2128. Beakers, Pyrex Glass, 300 ml (2) ea. .25
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