

THE AMERICAN CHEMICAL SOCIETY.

XI.—PROCEEDINGS.

Regular Meeting, May 6th, 1881.

The meeting was called to order at 8:30 P.M., Prof. LEEDS in the chair.

In the absence of a quorum, the regular business was deferred till one should be present.

The first paper of the evening, "On a Slight Modification of Wilkinson's Gas Endiometer" was read by Mr. JAS. H. STEBBINS, Jr., S.B.

Prof. DOREMUS then remarked that the trouble encountered with the Wilkinson endiometer might be overcome by first filling with gas and then letting in a little water, and finally making allowance for the water level.

The second paper of the evening, "On the Purification of Baric Sulphate," by T. O'CONNOR SLOANE, Ph.D., was then read.

The third paper of the evening, "On a Qualitative Test for Carbon Disulphide and Carbon Dioxide in Coal Gas," by T. O'CONNOR SLOANE, concluded the reading of papers.

The Recording Secretary then announced that a quorum was present.

The minutes of the last meeting were then read and approved.

Mr. CASAMAJOR objected to the mention of particulars concerning annual dinner, and thought that only a general description in place of minute particulars would be preferable.

Dr. SQUIBB then stated that he thought that the minutes concerning the annual dinner as taken by the Recording Secretary, should not be altered, but, that minute particulars should be left out of printed report.

This being put to motion, was carried unanimously.

Dr. GOLDMARK's death was then mentioned by the chair.

Dr. SQUIBB moved that a committee of one be appointed to draw up a short obituary notice on Dr. GOLDMARK's death.

On motion, this was carried unanimously.

The Recording Secretary then read the minutes of the last meeting of the Board of Directors, which, after a small correction, were approved.

The Recording Secretary then read Dr. MOORE'S resignation as Editor of the JOURNAL OF THE AMERICAN CHEMICAL SOCIETY.

After sundry remarks by MESSRS. SQUIBB, LEDOUX and CASAMAJOR, Dr. DOREMUS moved that a committee, consisting of Drs. A. R. LEEDS and A. R. LEDOUX, be appointed to report in regard to filling vacancy caused by Dr. MOORE'S resignation.

This being put to motion, was carried unanimously.

The chair then brought up the question in regard to filling the vacancy in the Board of Directors, caused by the death of Dr. GOLDMARK.

After some remarks by Messrs. SQUIBB, ELLIOTT and CASAMAJOR, it was finally moved and seconded that the previous committee, consisting of Drs. A. R. LEED and A. R. LEDOUX, should also investigate the legality of the election of a Director to fill the vacancy in the Board of Directors, caused by the death of Dr. GOLDMARK, and should report at the next meeting, presenting at the same time the name of a person to fill the vacancy, and that the Recording Secretary should insert a notification to this effect on next postal cards.

On motion, this was carried unanimously.

The following gentlemen were then elected :

C. P. SAWYER, associate member.

Nominated by { ARTHUR H. ELLIOTT,
ELWYN WALLER,
P. CASAMAJOR.

A. HOWARD VAN LINDEREN, associate member.

Nominated by { ARTHUR H. ELLIOTT,
T. O'C. SLOANE,
J. B. F. HERRESHOFF.

Dr. OTTO GROTE, as member.

Nominated by { S. A. GOLDSCHMIDT,
BERNARD G. AMEND,
JAMES H. STEBBINS, Jr.

THOS. TONNELÉ, as member.

Nominated by { P. DE P. RICKETTS,
ARTHUR H. ELLIOTT,
C. F. CHANDLER.

J. G. MATTISON, as member.

Nominated by { P. DE P. RICKETTS,
ARTHUR H. ELLIOTT,
C. F. CHANDLER.

Mr. A. P. HALLOCK, Ph.B., was then nominated as a regular member, by T. O'C. SLOANE, Mr. BENJAMIN and Wm. RUPP.

The fourth paper of the evening, "Upon the Direct Conversion of Aromatic Amides into their Corresponding Azo-compounds," by Dr. A. R. LEEDS, was then read.

After some questions by Mr. STEBBINS, the fifth paper of the evening, "On the Chemical Contents of the Fluid Cavities of Minerals," by Mr. A. A. JULIEN, was then read.

Some remarks by Messrs. ELLIOTT and DOREMUS then followed.

On motion, the Society adjourned.

JAMES H. STEBBINS, JR.,
Recording Secretary.

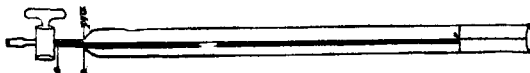
XII.—ON A SLIGHT MODIFICATION OF THE WILKINSON GAS EUDIOMETER.

BY JAMES H. STEBBINS, JR.

At one of our previous meetings, Prof. Doremus read a paper and exhibited to you one of Wilkinson's eudiometers, with which, I think, he said very fair gas analyses might be made.

Now, although I do not wish to contradict Prof. Doremus' statement, still I feel bound to say, that my experience with the above apparatus for the past month has been anything but satisfactory, and I now make bold enough to say that the Wilkinson gas eudiometer, as it is now made, cannot possibly give correct results, and with the greatest care, only approximate answers can be obtained.

The reason of this is obvious and can readily be explained by the following diagram :



The usual Wilkinson eudiometer has quite a long and thin neck just under the glass cock as may be seen in the diagram, and which I represent as *a* and *b*.

Now, in filling this burette, we have to first fill it with water, which drives all the air out, and then connect it with the rubber tube conveying the gas. As soon as we open the cock, the gas flows in, which we so regulate as to get down to the zero mark, and then turn off the valve. In this way we get just 100 c.c. of gas. Now