

mere diminution with distance as is the case in figure 3. My impression is that if displacement of an air particle oblique to the table be resolved into tangential, and normal components, it is in the phase changes of the former (owing to a tangential slip, possibly with vibration) that a clue to an explanation may be looked for.

Location of the ray of maximum amplitude. Further experiments showed that if the pipe is successively lifted above the table, the corresponding unique or highest maximum continually moves away from the origin into greater x . So far as I have gone this position (*i. e.*, the position of the resonator on the table) is reached when the corrected (asymptotic) ray from pipe to resonator makes an angle of incidence of about 51° with the normal to the table. The same rule holds for the other corresponding maxima and minima. In a raised pipe the unique maxima will thus be found at 50 to 100 cm. outward from the origin, below the pipe. The location of interferences by the method of the preceding paragraph affords no clue. In any case it is astonishing that a diagram such as figure 3 or 4, should represent an actual distribution of acoustic pressures, certainly of nodal intensity, on the table, whenever the organ pipe is sounding. In fact, in the present research which I have now been pushing for some time, whatever one predicts fails and what one does not expect comes out serenely. It will therefore be prudent to conclude with Newton, that there are fits of easy reflection.

CARL BARUS

BROWN UNIVERSITY,
PROVIDENCE, R. I.

MEETINGS OF THE GENETICS SECTIONS

IN accordance with provisions made by the American Society of Zoologists and the Botanical Society of America, a joint program in genetics was arranged and held in connection with the recent meetings of these societies at Toronto. This program occupied all of Wednesday, December 28, and the forenoon of Friday, December 30. A. F. Blakeslee was elected to preside at the sessions and L. J. Cole to act as secretary. The

complete list of the papers presented will appear in connection with the reports of the respective societies.

A committee, composed of L. J. Cole, R. A. Emerson, H. S. Jennings, A. F. Shull and G. N. Collins, was appointed to formulate a plan of organization for the Genetics Sections of the two societies. The committee reported the following articles of organization:

Resolved, That the Genetics Sections of the American Society of Zoologists and the Botanical Society of America organize for the purpose of securing a closer coordination of genetic interests.

The membership shall consist of those members of the two societies who shall indicate their desire to be affiliated with the Genetics Sections.

The following officers shall be elected at each annual meeting and shall take office at the close of the meeting:

1. A chairman to be chosen alternately from the Zoological Section and from the Botanical Section.

2. A secretary, who may be chosen from either section.

3. A society representative, who shall be chosen from the section other than that from which the secretary is chosen.

These officers shall constitute the executive committee of the Genetics Sections.

In addition to his usual duties the secretary shall, in consultation with other members of the executive committee and with the secretaries of the societies, arrange for the program of the meetings.

The secretary and society representative shall act as the representatives of the Genetics Sections to their respective societies.

At the annual meeting the chairman shall, in advance of the business meeting, appoint a nominating committee of three to nominate officers for the following year.

These articles were adopted as proposed.

A nominating committee, composed of R. A. Emerson, G. H. Shull and Charles Zeleny, announced the following nominees for officers for the ensuing year:

Chairman: H. S. Jennings.

Secretary: L. J. Cole.

Society Representative: B. M. Davis.

These were duly elected.

The secretary reported on the condition of the American Genetics Association and the needs of the *Journal of Heredity* and stated that efforts would be made to hold a conference of the executive committee of the Genetics Sections with the council of the American Genetics Association to see what steps can be taken for their mutual benefit.

L. J. COLE,
Secretary.