

of electric plates per cm is compared with the enzyme concentration an interesting parallelism is found. The comparison is given in Table I.

In view of the difference in structure, size and arrangement of plates it is desirable to compare also the maximal discharge and the number of plates in series at such a discharge with the total amount of acetylcholine which can be split by the different organs. This is given in Table II.

TABLE II

	Number of plates in series	Maximum discharge in volt	Mg A.Ch. split by organ in 1 second
Raja	60-80	1-3	0.5-1.0
Torpedo	400-500	30-60	50-100
Gymnotus	5000-6000	300-800	500-1000

The concentrations of choline esterase found in electric organs suggested the cholinergic nature of the nerve supplying the organs. Recent experiments have brought further support for this assumption showing liberation of acetylcholine from the electric organ during stimulation of the nerve and the possibility of eliciting a discharge which is here the terminal event by injection of minute amounts of acetylcholine.⁶

The observations lend support to the concept which Berzelius formulated more than a century ago and apparently not noticed since then.

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AGAIN SCIENCE IN CHINA

RECENTLY a letter appeared in *SCIENCE* (March 8, 1940) describing some of the difficulties under which the Chinese scientist must work. Almost simultaneously the following plea came to my desk as secretary of the Union of American Biological Societies. Believing that there are many individual biologists as well as departments willing to send reprints and other scientific publications to the National Central Library, the original plea, signed by Chiang Fu-tung, librarian of the National Central Library, outlining the situation, and giving the necessary instructions, is printed below.

With a view to supplying our science students with scientific publications to further their research, the National Central Library takes pleasure in soliciting your assistance and cooperation in the rebuilding of its collections by sending us your publications. Your courtesy and action in putting our name on your free mailing list will be highly appreciated by the Chinese people at large.

Word has it that assistance rendered at its time of great need will forever stand in the memories of those individuals who are craving for help. Owing to our

hurried departure from Nanking, more than 200,000 volumes fell into the hands of the Japanese, who set them, together with the valuable collections of other institutions, on fire. With the bombing of Chinese educational institutions by Japanese airplanes, the destruction of Chinese culture is thus made complete. However, this library has managed to transport a large portion of our holdings out of Nanking to Chungking, the provisional capital. As a result, there are tens of thousands of students and scholars in China who are entirely devoid of means to advance their studies. Facing this intellectually hungry lot, it is my crusading responsibility and pleasure to write for complete sets of your publications to be made accessible in this library. Through a system of mail services, books thus acquired will be sent to any individual for stated periods in any part of free China. Your publications will be placed in our Chungking branch library building, which is now nearing completion.

In sending us your publications, please send them by book post *via* Haiphong, French Indo-China.

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THE PROGRAMS OF SCIENTIFIC MEETINGS

HAVING attended a number of the meetings of the American Association for the Advancement of Science held at Columbus, I wish to make two protests.

In the first place, it seems a waste of time on the part of any intelligent person to spend two hours per session listening to the reading of papers with little opportunity for comment. One and a half minutes per paper was the average time allowed in meetings I attended. Apparently the purpose of the meeting is not the advancement of science but the reading of papers. If the persons presenting papers knew that as many minutes would be spent in the discussion of papers as in their reading, the quality of the papers presented as well as the participation of the audience might be greatly improved.

In the second place, it certainly is a reflection on a learned profession when its representatives, selected as members of the panel set up to discuss the issues of a paper presented by a principal speaker: (a) ignore the issues; (b) give ten-minute prepared speeches composed in most part of personal anecdotes; (c) meet questions from the floor by "name calling"; (d) exhibit "authoritarian" attitudes toward "status" rather than "experimental" habits of mind.

I realize the difficulties involved in setting up panel discussion meetings. It seems, however, that a little more careful preparation on the part of participants plus a disposition to promote "attitudes of inquiry" rather than "smug acceptance of present practice" would be more in keeping with the purposes of a scientific body.

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⁶ W. Feldberg, A. Fessard and D. Nachmansohn, *Jour. Physiol.*, 97: 3 p., 1940.