BROADCASTING

SILENCE was recently reconceived with art in a manner and upon a scale quite common to this rather commercial trend of entertainment. In cooperation with the Bell Telephone Laboratories, Leopold Stokowski, internationally renowned conductor of the Philadelphia Symphony Orchestra, conducted a series of tests in a new medium of communication efficacious of our present system of commercial radio transmission.

The results put that system to shame. It was demonstrated that radio, while capable of being produced during an opera or symphony, is not capable of the reproduction of such a piece as 'The Tech' by Stokowski. This was done by the average radio receiver. Salowki found that the total range of frequency concentration was 50,000 cycles; the range received, between 50 and 5000 cycles. The effect of this drastic reduction in tone upon the original sound is obvious. It is to be noted that such many of these sets are incapable of reproducing fundamentals and overtones in their proper proportion, Stokowski attributes a large portion of the blame of the failure to his work. Many of these stations are overcrowded with too many programs, and the frequency of the signals causes the receivers to become confused.

MORE IMPORTANT than the diagnosis is the cure, however. By joining his own knowledge with that of the technicians at the Bell Telephone Laboratories, Stokowski was able to devise a system of broadcasting which would sufficiently broaden the band allowed each individual station, his plan, which would make the networks more efficient, was based on a certain degree, the standard, would at the same time eliminate their inherent tendency to be very accurate tuning, since the band of one station will not interfere with the other.

Since the realization of such a project would require the reconstruction of most of the present radio broadcasting systems, it is clear that its benefits will be enjoyed for many years to come. Should the system be hampered by a sufficiently large number of people, as it is the present, will be in, it is almost certain that the system will be turned out by the conversion would more than compensate for its lack.

THE TECH


OFFICES OF THE TECH

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Vol. LIV

Sakowski found laboratories, Leopold Stokowski, the interna-

tion. In cooperation with the Bell Telephone

BROADCASTING

out by trying to accomplish too much before

adequate sleep and food is no way to prepare

sion, but take time off once in a while for recre-

Para

it is true that many of those sets are incapable

of working at

vitality and alertness will do

end of the story,

so figure

of the

moment

of

infinite magnitude as the distance ap-: added some unwilling freshmen, watchE

increasing rate, reaching practically |have

reduce purely biological reactions to The possibilities are almost endless.

THE TECH

Friday, January 18, 1935

Dome

very, this would put it well out in the

Some Splashes

The freshmen, of course, realize that it is beyond the scope of its first issue to cover such a splash which would be made no such efforts. For such a splash to be

was be al be to the items which the events would be

be bid in the midst of the river, we

The freshmen, of course, realize that

...no communist organ. It is a stu-

There is a large field for research

and count for three Bun-

The Tech, is a great innovator, but often he succes-

sions, and at a time before examns ovter

The Tech is not a great innovator, but often he succes-

beneath his control. The Tech, as he was taken by another state university, as it eventually will be,

The Tech, is a great innovator, but often he succes-

The Tech is not a great innovator, but often he succes-

'The Sex Life of a Lodged Frap-ple.

'The Sex Life of a Lodged Frap-ple.

'See Life--and Finals

Don't be misled by the above sub-

Gentile Bender. (We never could figure why authors called readers

'it is a product of . . . such as is the product of . . .

must be as near as possible conforming to the personal characteristic of the

1.0, to which the T.

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