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The  
**Radio Record**  
BOX 1032 - WELLINGTON.

# RADIO

## Round the World

THE opening call of Radio Vatican is  
"Laudator Jesu Christus."

IN England the number of subscribers  
to wireless exchanges is increasing  
steadily all over the country, and this  
is well on the way to becoming a big  
industry. The B.B.C. and the Post  
Office do not agree about wireless ex-  
changes, the former wishing to control  
them much more extensively than the  
latter will accept. There is a good  
deal of bother over the Sunday pro-  
grammes. The exchanges naturally  
want authority to take Continental pro-  
grammes when the B.B.C. is closed  
down, notably at lunch-time on Sunday.  
And the Post Office agrees. This,  
however, does not please the  
B.B.C., which nevertheless has ac-  
quiesced as long as foreign advertising  
is eliminated from the transmissions.  
And there is another complication. Ad-  
vertising is a bugbear everywhere.

DEAN INGE is a broadcaster who is  
utterly regardless of the "mike."  
There is the famous notice "If you  
sneeze you will deafen millions" at the  
side of one of the microphones in the  
B.B.C. studios, but the Dean disregards  
it and puts the engineers to confusion.  
When he wants to cough, he coughs,  
and the microphone catches the full  
blast of the noise!

THE B.B.C. has stated officially that  
the power of the new "5 X-X," the  
long-wave Daventry station, will be  
about four times that of the present  
outfit, and approximately 100 kw. will  
be delivered to the aerial. With this  
power it is anticipated that the new  
station will completely cover the whole  
of Great Britain for quite modest sets,  
during daylight hours. The motto  
adopted in the building of the plant is:  
"From Land's End to John o'  
Groats in Daylight."

THE British Radio Manufacturers'  
Association look with some concern  
at the growth of wireless exchanges,  
which threaten to cut into the wireless  
trade. Indeed, the feeling in the trade  
is so strong that in one North Country  
town a local trader is said to have pur-  
posely interfered with the reception on  
the exchange receiver to such effect  
that the exchange had to ask the B.B.C.  
to let them have a land-line link with  
a control room.

VALVES are used to heat and sup-  
ply hot water for the building  
housing the transmitting equipment of  
station WIK, at Cleveland. The recti-  
fying and power-amplifier valves be-  
hind the transmitting panel are water-  
cooled. From twelve to fifteen gallons  
of distilled water are kept moving past  
the plates, and this process heats it to  
about 120 degrees. From the transmit-  
ting panel the water is led to the base-

ment of the building, where it passes  
around another coil, part of the heat  
being transferred to a tank that sup-  
plies hot-water faucets. The water  
from the valves then travels through  
copper coils kept cool by fans. In  
warm weather, air from these fans is  
led outside the building, but in winter  
an auxiliary fan forces the warmed  
air through a register into the building.  
It is only in rare instances that an  
emergency heater need be employed to  
keep the building warm.

SO successful has the use of radio  
equipment been on patrol waggons  
belonging to the New York police that  
now there are no less than two hun-  
dred cars with receivers and trans-  
mitters operating on short wave  
lengths.

THE Government of India has  
made an official announce-  
ment that it will itself carry on  
the broadcasting service which  
had been threatened with extinc-  
tion.

THE new League of Nations equip-  
ment at Prangins includes two  
powerful shortwave transmitters—one  
French and one British, the latter hav-  
ing a power of 20 kw.

AMOS 'N' ANDY, so well-known to  
lovers of the screen, are becoming  
popular as a result of their successes  
before the microphone. No less than  
820 episodes have been broadcast by  
them, and this is sufficient proof of  
their appeal to the unseen audiences.

BROADCASTING seems in danger of  
"missing the boat" at the Madrid  
Conference in August. A communique  
just issued by the German Ministry of  
Posts mentions that the coming con-  
ference will not concern itself with  
European wavelength problems. "The  
only broadcasting matter to be consid-  
ered," says the report, "is whether the  
wavebands at present reserved for  
broadcasting in all parts of the world  
should be widened or contracted, de-  
pending upon the needs of more vital  
radio services."

THE consecration of the religious  
studio of the new London Broad-  
casting Palace having been found im-  
possible, owing to the existence of a  
vaudeville studio underneath, the  
officials have overcome the difficulty  
by having it dedicated.

THERE is a probability that Captain  
Eckersley, M.L.E.E., F.I.R.E., now  
on a visit to Australia, will be invited  
by the Commonwealth Government to  
report on the Australian National Net-  
work of broadcast stations. Captain  
Eckersley was connected with broad-  
casting during its infancy, when he act-  
ed as chief engineer to the British

Broadcasting Corporation, as it was  
then called. He joined up with the  
corporation in 1923, and continued with  
it until 1929, helping to pilot it through  
many of its early vicissitudes.

SMALL wooden masts, from 60 to 80  
feet high, will be used for the aerial  
circuit of the Empire wireless station  
at Daventry. In all there will be  
seventeen aerials. Eleven of them will  
be of the reflector type and focused  
for transmitting beam-like waves in  
specific directions. Six different wave-  
lengths will eventually be used: 14, 17,  
20, 25.6, 32 and 48 metres.

CLAPHAM and Dwyer like an audi-  
ence in the studio; theirs is the  
kind of humour that goes down better  
with a laugh at the back of it. Studio  
audiences are not always chosen from  
the artistes' friends, and, contrary to  
the critics, the laughter is genuine and  
spontaneous!

THE first television demonstration in  
a moving railway train was given  
recently in England to determine its  
possibilities in providing entertainment  
for passengers. It was found that, al-  
though there were slight interruptions  
due to bridges and momentary local  
conditions, the reception was fairly  
good even when the train reached 60  
miles an hour.

THE B.B.C. will receive £1,366,000 in  
the coming financial year. The  
amount due under the agreements is  
£1,516,000, but this is reduced by  
£150,000—the amount which the B.B.C.  
agreed to give up as a contribution to  
the Exchequer in the national emerg-  
ency.

HEAT losses in welding are reduced  
by a new process in which high-  
frequency electric current is used.  
This current is like that used in radio.  
The process depends upon the fact that  
high-frequency currents are most in-  
tense on the surface of a conductor.  
The plates to be welded are brought to-  
gether and connected by a wire. A  
high-frequency current is passed to the  
plates, accumulating at the outer  
edges to be welded, which are subject  
to melting heat. Other parts of the  
conductor remain cool. Seamless pipes  
will be manufactured by this process.

THE progress of television experi-  
ments at the De Forest laboratories  
in America was temporarily halted re-  
cently by a fire which com-  
pletely destroyed the broadcasting  
studio and caused damage to other  
parts of the plant. A special camera  
which represented many months' work  
and which was said to be the most ad-  
vanced form of television pick-up so far  
developed, was completely destroyed.  
Investigation revealed that the fire  
started near a neon gas purifier when  
the glass bulb covering an arc lamp  
suddenly burst and allowed the heat of  
the arc to ignite the gases.

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and

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