I
tection and measurement of cosmic
devise instruments sufficiently sensi-
ago, however, were scientists able to
conducting. Not until some 40 years
frequency indicating that about 30 of
ionized by the radiation and thus
up in hemispherical layers. In the
among these was one designed by
uring the intensity of the radiation.
more intense to have any biologic ef-
would have to be millions of times
State Building are an insuperable ob-
of a particle of cosmic-energy.
struments designed by Dr. Bennett
in collaboration with the Abbe G. le
field.
the rays come from above.
more startling than anything else is the
rays fall from above. Many of these instruments designed by Dr.
based on the measurement of the
type of sensation and proof that the
was a wire-wound coil produced by two
amplification mechanism and when one of
ionizing the air and producing min-
account for the radiation. The
omly depends on the intensity of
are at a distance of about 1000 volts between
the globe, however, was made
in the rays of cosmic radiation. The
materials which would render his thought makable.
The tendency of the age toward shorter working time will undoubt-
according to Dr. Kintner. Within the age of the older generation,
time working has changed from
then a twelfth-hour, and now an
hour. There is agitation at present
for this year, and this is
no one at present, said
Dr. Bennett, with whom we
our steps and throw away our
machines in order to increase em-
jobs, but the increasing importance of
interest, which
ourselves, and
ont, for the immediate
our new order of
to enable us to enjoy
which we have so long been striving.
that the tube is always just on the
mercury vapor. Mercury is, as we
of cosmic radiation was
domestic.
The Wilson cloud chamber is an
instrument ingeniously devised in 1912 by the distinguished English
R. W. Wilson. It is a chamber filled
by a mixture of air, dry air. By
heating the air and producing
in order to make the object visible to
by means of light reflected by
Discarding the possible significance
of cosmic radiations, Dr. Bennett conde
that science is always
by the modern world. For instance,
radioactivity, the only function of the atom instruments included Grig.
much use in the measurement of
The Geiger-Muller counter is essen-
tially a gas-filled tube containing a
line wire stretched through the center of
and is sensitive to the change in
ary to the primary role in the
zation of cosmic rays. The instruments included Grige.

GEIGER-MULLER COUNTER

The Geiger-Muller counter is essen-
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line wire stretched through the center of
and is sensitive to the change in
ary to the primary role in the
zation of cosmic rays. The instruments included Grige.

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