Pres. Compton
(Continued from Page 1)
anisms which, with extremely great accuracy, followed the directions
given by such fire-control computing
devices as the Draper sight, and
provided the essential link between
the source of information and the
final position of the gun. In both
the Instruments Laboratory and
Servomechanisms Laboratory, ad-
vanced courses were conducted for
Army and Navy specialized officers
to teach them the newly developed
techniques.

The Chemical Engineering de-
partment, represented by Profs.
Hoyt C. Hotell and Glenn C. Will-
liams, and the Mechanical Engi-
neering department, represented
by Profs. C. Richard Soderberg and
Ernest P. Neumann, cooperated in
carrying out important special re-
search in fuels and related prob-
lems of combustion. In waging
mechanized war, the importance of
special fuels cannot be over-es-
timated.

One of the busiest laboratories
at the Institute has been the Lab-
atory for Insulation Research,
under Prof. Arthur R. Von Hippel
of the Electrical Engineering De-
partment. The laboratory was de-
voted to the study of insulating ma-
terials and especially their charac-
teristics in high-frequency (radar
work is done at extremely high-
frequence) electrical fields.

With its Edgewood Arsenal
greatly overcrowded, the Chemical
Warfare Service of the Army found
much needed research facilities at the
Institute in the new Chemical
Engineering Building, which was
completely taken over by the
C.W.S. Much important work was
carried on here by army officers
and civilian personnel working for
the Army.

Submarines, airplane crews, hos-
pitals, and welders need oxygen—
in great quantities. Ordinary peac-
time methods of production were
not adequate, and consequently the
war saw great advances in the effi-
ciency of oxygen production and in
transportation of oxygen in light-
weight, portable units. Important
contributions to these develop-
ments were made by Profs. Fred-
erick G. Keyes and Samuel C. Colo-
lins, of the departments of Chem-
istry and Mechanical Engineering
respectively.

One hundred and fifty-six battle
photographs of naval sea and air
action in the Pacific theater are
displayed along the first floor cor-
rider of the "Victory in Science" show under the title,
"Power in the Pacific."

Scheduled for the New York Mu-
seum of Modern Art this display
consists of photographs which have
been selected from hundreds of
thousands of official Navy, Coast
Guard, and Marine Corps pictures,
and which have been expanded to
form murals up to a size of six by
eight feet. Selection was directed
by Capt. Edward Stelches, USNR,
director of the official Navy film
"Fighting Lady." A brief intro-
ductive comment to the exhibit
was written by Lt. Roark Bradford,
USNR.

Although most of the photos were
taken by enlisted men of the Navy,
Coast Guard, and Marine Corps,
some were taken by Capt. Stelches's
unit of officer-photographers, and
a number were snapped by auto-
matic cameras in Navy planes
attacking enemy planes and bomb-
ing enemy ships. Anonymous ser-
cemen contributed other of the
pictures. Since the names of some
camouflage; and fuses. The Insti-
tute's staff also did an enormous
amount of technical consultation
on various industrial problems con-
ected directly or indirectly to war
production and studied and han-
dled labor relations for industry
and government.

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156 Huge Photographs Depict Operations
Of Naval and Air Units In Pacific Theater

The exhibit depicts a naval opera-
tion in the Pacific theater, inclu-
sing practically every phase, as
life below a carrier deck, a rush
to battle stations, a direct hit on
one of our carriers, a torpedo and
sinking Japanese ship, and scenes
of burial at sea.

A number of the pictures are
remarkable photographs as
One of the most outstanding a
picture of a flaming Jap can
which seems to be only a hun-
dred feet below the surface.

In another photo, a direct hit
on one of our carrier's bombs
into the camera, so close was the
shot. Another group of pictures
were taken through the peris-
cope of a submarine.

The exhibit begins with pic-
tures of warriors and instru-
ductions on a battleship. The
second sequence shows an
attack by the Japs to man a
followed by a Jap attack. Next
the steps in an invasion, star-
ing with bomb by carrier planes
subsequently by surface ships
followed by invasion and cap-
ture of a Japanese island by the
Marines. Attack on the Jap fleet
by counter-attack by the Japs is
shown, after which come the
pictures taken from the subma-
obers of the return of and
burial at sea conclude the
operations.

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