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SCIENTIFIC AND SANITARY.

Molds differ from bacteria, according to
Professor Frankland, in their action, and pro-
duce an oxidation, or burning up, instead of
fermentation.

The gold medal of the Royal Astronomical
Society has been awarded to Prof. S. W.
Burnham, late of the Lick Observatory of
California, but now of Chicago, for his discov-
eries of double stars and other astronomical
work.

The report of the official trial of the cruiser
Olympia, built by the Union works at San
Francisco, show that the vessel developed a
speed of 21.69 knots per hour, which will give
her contractors a premium of \$300,000, the
largest ever earned in the construction of a
United States warship.

Electric motors have been tried in opening
the gates of a canal lock on the Beauharnois
Canal, and work was done thereby in one
minute, which four men usually take three or
four times as long to perform. Similar appar-
atus will now be applied to some of the other
lock gates along the St. Lawrence.

M. Dybowski, in a recent journey in the
interior of Africa, encountered a tribe who
have reduced cannibalism to such a system that
they have only one object of purchase—slaves
to be eaten. They refuse to sell food or any
other products of their country for anything
else, and the surrounding tribes capture and
export canoe loads of slaves for this purpose.
—*Popular Science.*

George Bartlett Prescott, one of the pio-
neers of the science of electricity in America,
died at his home, at the Buckingham Hotel,
in New York, on Thursday of last week, in his
sixty-fourth year. He introduced the duplex
and quadruplex systems of telegraphy. He
wrote many books on electricity. He married
Eliza Curtis, a granddaughter of Gen. Israel
Parsons, of Revolutionary fame.

Dr. Zergler, a German scientist, is of the
opinion that it will be possible to predict the
weather by means of photographs of the sun
far more accurately than by a study of the
barometer. Circular or elliptical halos round
the orb of day indicate violent storms,
especially if the halos are dark in tint or of a
large diameter. Lightning and magnetic dis-
turbances may also be expected from these
signs.

Professor Koch says that a single cholera
microbe in a sample of water may be detected
thus: Add a little peptone solution, and let
the water stand at a temperature of 100 de-
grees Fahr. for between six and twelve hours.
In that time the bacillus will enormously mul-
tiply, and its offspring will accumulate on the
surface of the water so as to be visible as a
fine film—and a drop of the liquid taken from
the top will reveal the germs clearly under a
microscope.

It is stated that M. Lippmann has
"shown by means of projections, proof's in
color obtained by his method" of color photo-
graphy. From this one might infer, although
it is not so announced, that copies and not
originals were exhibited; which is doubtful.
It is probable, however, that light was permit-
ted to shine through the photographic plate,
or through a lantern slide. Usually the Lipp-
mann pictures have been visible only by light
reflected from their surface, and reflected at a
certain angle.

Sand filtration alone has not been ade-
quate to the removal of cholera germs from
the Elbe water at Hamburg; although it does
not clearly appear from the brief report at
hand how extensive the layer of sand was. Dr.
Krohnke favors chemical treatment of the
water, and recommends chloride of copper for
this purpose. Sulphate of iron and lime, al-
ready widely used for purification and steriliza-
tion, would also be employed; and then, if
the water be filtered, no trace of bacteria,
iron or copper appears.

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not to names; to the causes of evil which are
permanent, not the occasional organs by which
they act, and the transitory modes in which
they appear.—Burke.

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bronchitis and sore throat in the pleasant
preparation known as Dr. Wood's Norway
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Those who believe that 13 is an unlucky
number should fight shy of the American 25-
cent piece. It has 13 scars, 13 letters in the
scroll held in the eagle's beak, 13 marginal
feathers on each wing, 13 tail feathers, 13 par-
allel lines in the shield, 13 horizontal bars and
13 arrow heads.

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