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The sun, though it passes through dirty
places, yet remains as pure as before.—Sir E.
Coke.

SCIENTIFIC AND SANITARY.

The Eleventh International Medical Con-
gress will be held in Rome March 29 to April
5, 1894.

There were treated at the World's Fair
Emergency Hospital, 18,500 cases, and there
were 23 deaths at the institution.

Professor Garner has returned from Africa
and declares that he has learned, beyond doubt,
that there is a monkey language, and it can be
learned by man.

The autopsy in the case of Prince Alexand-
er of Battenberg showed that the original cause
of his illness was the lodging of a cherry stone
in the vermiform appendix.

Colonel Ernst, superintendent of the United
States Military Academy, at West Point, N.Y.,
says he is doubtful if the benefits derived
from the cadets playing football are com-
mensurate with the risks it entails to life and
limb.

The United States cruiser Columbia on her
official trial trip averaged 22.81 knots an hour
during a four hours' run, thus assuring the
Cramp Company, the builders, a premium of
\$350,000. In a spurt the cruiser achieved
the remarkable speed of 25.31 knots an
hour.

A few weeks ago the United States cruiser
San Francisco sighted a wreck off the Florida
coast and made two unsuccessful attempts to
blow it up with dynamite. Then in order to
remove this formidable threat to other vessels,
the captain of the San Francisco boldly rum-
maged the helpless hulk amidstships and cut her
in two.

M. Marey has found, from his continued
studies of animal locomotion by means of in-
stantaneous photography, that the modes of
progression of the viper and the eel are much
alike; that the postures of batrachians in
water (after they have acquired their limbs)
are much like those of men swimming, and
that lizards trot like horses.—Popular Science
Monthly.

Dr. J. Mount Bleyer and Dr. M. Wilton
Weill, of New York, have been making experi-
ments on the influence of the galvanic current
in promoting the formation of ozone in the
blood. They have arrived at the conclusion
that "animal electricity" is the prime factor
in all the processes of change of chemical action
or otherwise within the living body. They do
not, however, tell us what is electricity.—Bos-
ton Transcript.

The Harvey process of hardening steel for
armor plates reaches only the surface or skin
of the metal. Just before his recent death,
the inventor took out a patent for applying
the same method to toughening the top of
steel rails. He provides a way for introducing
about 5 per cent of carbon into the upper part
of the head, from 2½ to 4 per cent into the
lower part and into the web, and less than 2
per cent into the base or flange.

The "Harvey process" of hardening steel,
invented by Haywood G. Harvey, of Orange,
N. J. consisted of covering the surface of a
plate with powdered charcoal and raising the
two to a certain temperature. The absorption
of more carbon, as a result, gives the metal
higher power of resistance to a projectile. Mr.
Harvey's latest improvement in this operation
relates to the mixture of animal carbons with
the wood charcoal hitherto used, as he thereby
lessens the tendency of the powdered masses
to fly off in the form of floating dust.

Electricity was recently successfully em-
ployed to propel a boat on the Erie Canal.
The trolley system was used and applied to an
old canal barge fitted up for the purpose. A
speed of eight miles an hour was attained,
against the rate of two miles by the customary
mule or horse power. Gov. Flower, who was
present at the test, predicted that when the
new power had been generally applied on the
canal its business would be increased four-fold.
Electricians say the cost of operating a boat by
this method will be only about one-half that of
steam.

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