



the → **HISTORY** ← *of*

INFLUENZA

from *On Medical Grounds*

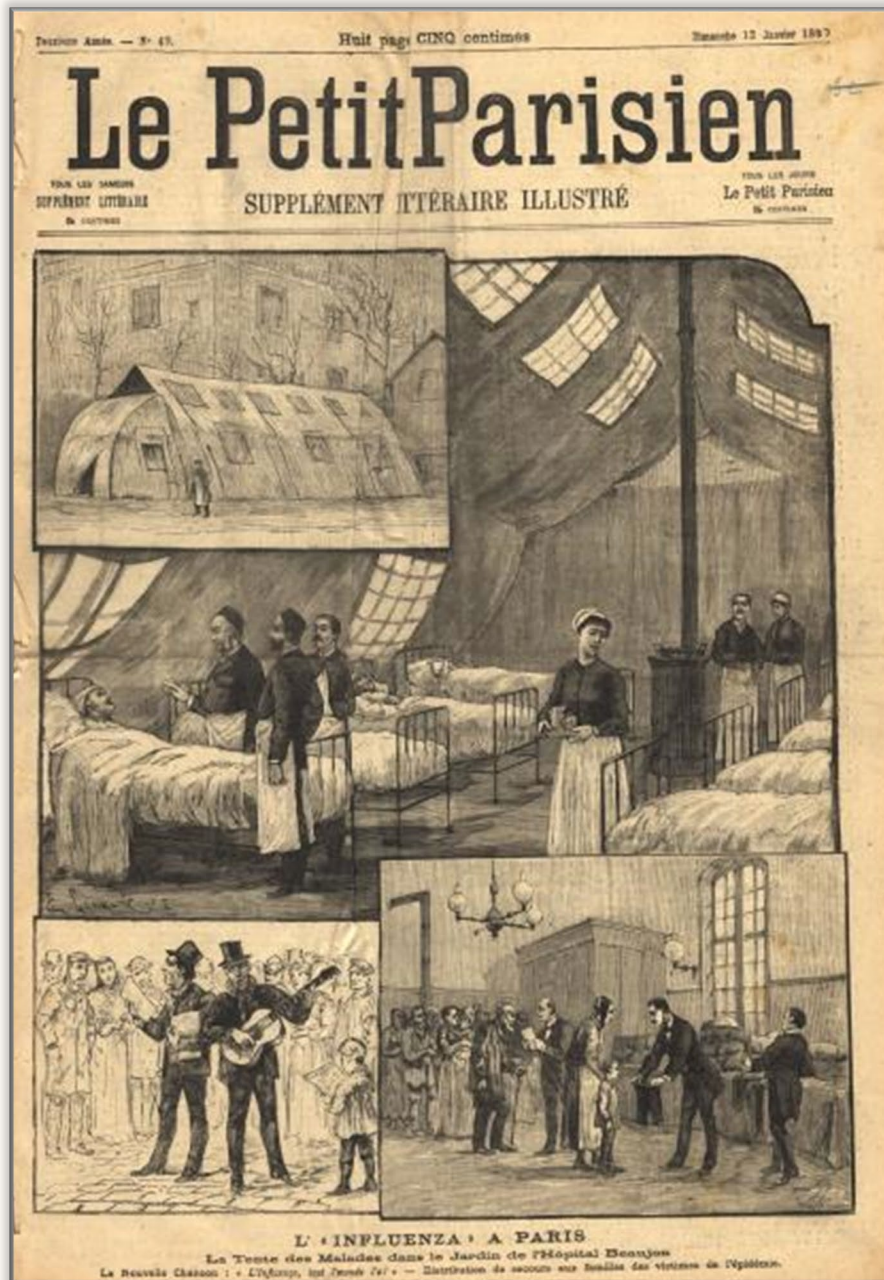


1580 Influenza Pandemic

- First record of influenza pandemic
 - Classified as pandemic by physicians and historians
- Origins in Russia and crossed several major continents
 - Africa
 - Asia
 - Rome: Over 8,000 deaths
 - Spain: Several cities were depopulated



Medieval medical practitioners often treated influenza-like illnesses with bloodletting, leading to further morbidity and mortality.




L'influenza à Paris, 1897.

Three separate illustrations depict the 1897 influenza epidemic in Paris: a special tent set up as a ward for the sick in the courtyard of the hospital, two men singing a song about influenza, and the distribution of clothes to victims of the epidemic.

— History of Medicine (NLM)

1918 “Spanish” Flu: The Spread

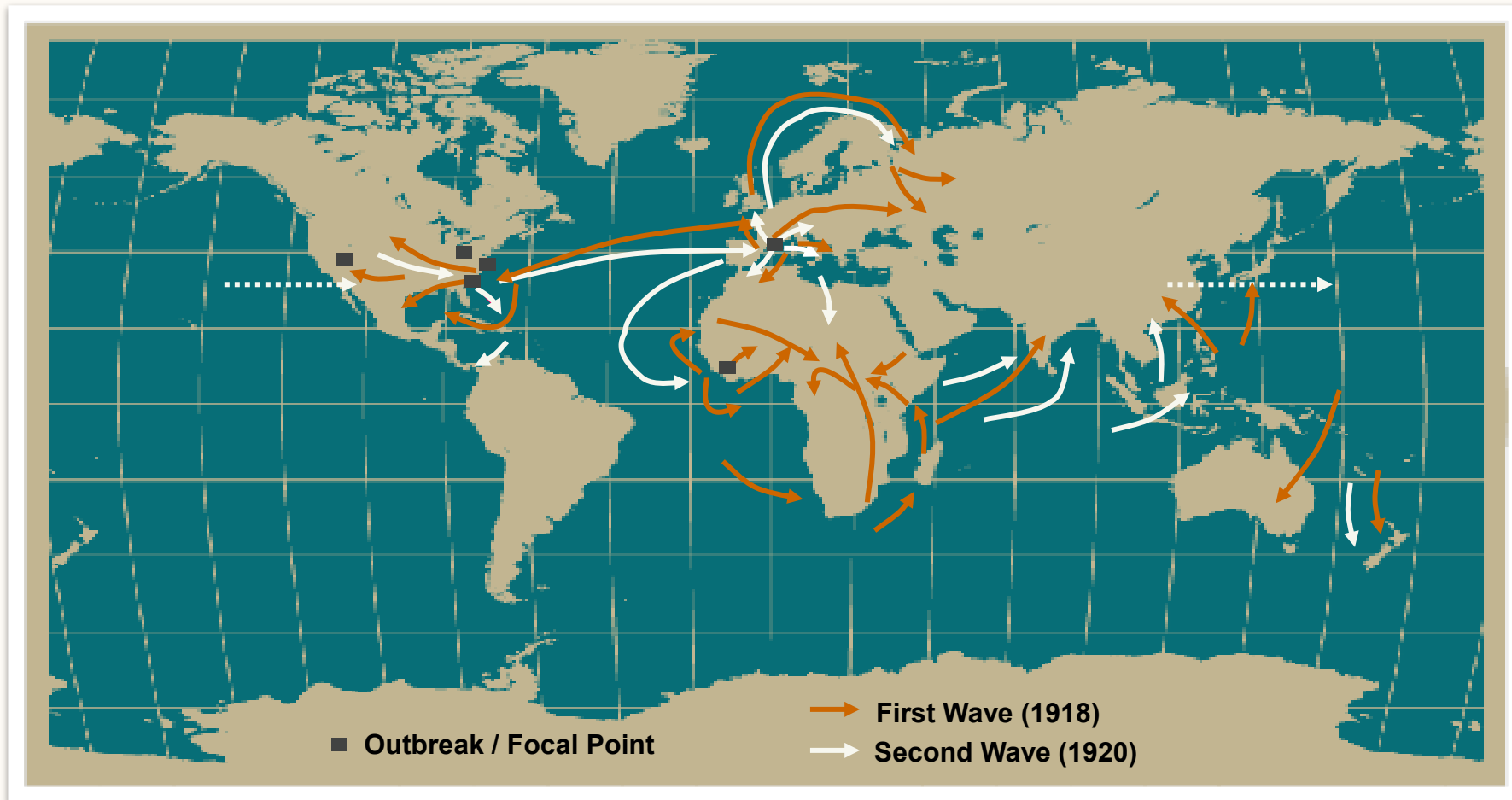
- First outbreaks in 1918
 - Detroit
 - San Quentin Prison
 - South Carolina
 - Kansas
- Infection spread seen normal in spring
 - American Expeditionary Force to British Expeditionary Force
 - War in Europe
- Fall of 1918: more virulent form emerged
 - 10-fold increase in deaths
- Estimated to have infected 50% of world’s population



Emergency influenza ward at
Fort Riley, Kansas, where the virus
was first observed in March 1918.

— National Museum of Health-AP

1918 Flu: Outbreak Map



1918 Flu: Mortality

- Total mortality:
50-100 million from 1918-1920
 - 8 million deaths in Spain
(hence Spanish Flu)
- Comparison to 19 million deaths during entire First World War (WWI)
- Failed to leave much cultural impact, largely due to onset of WWI



Influenza ward at a U.S. Army camp hospital in Aix-les-Baines, France, during World War I.

— History of Medicine (NLM)

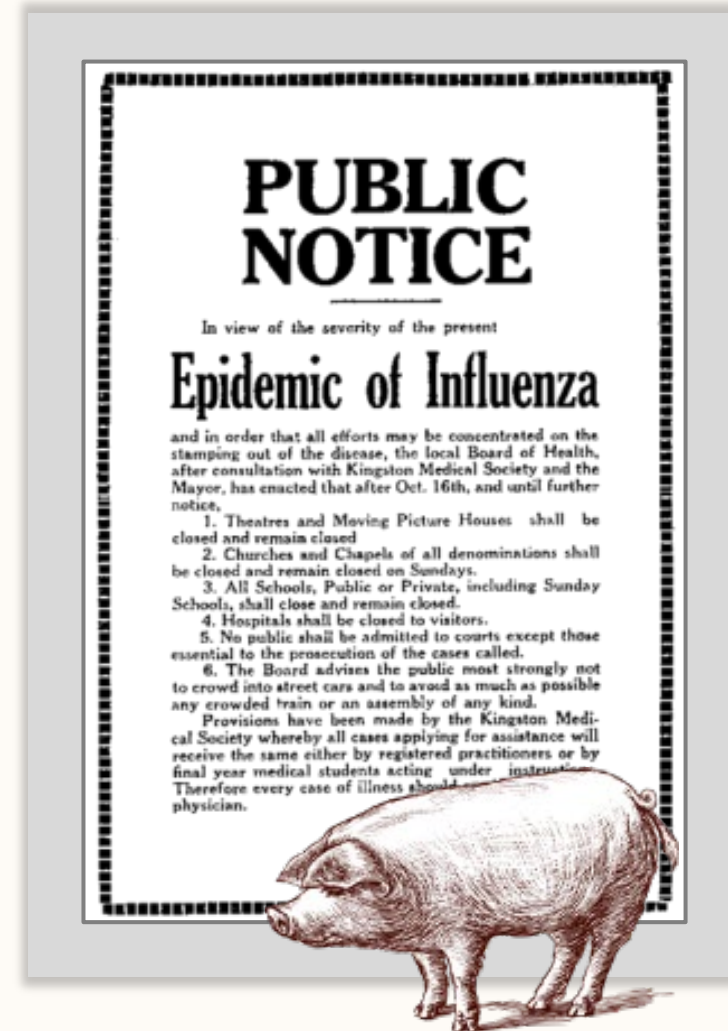
Potter CW. *J Appl Microbiol.* 2001;91:572-9.

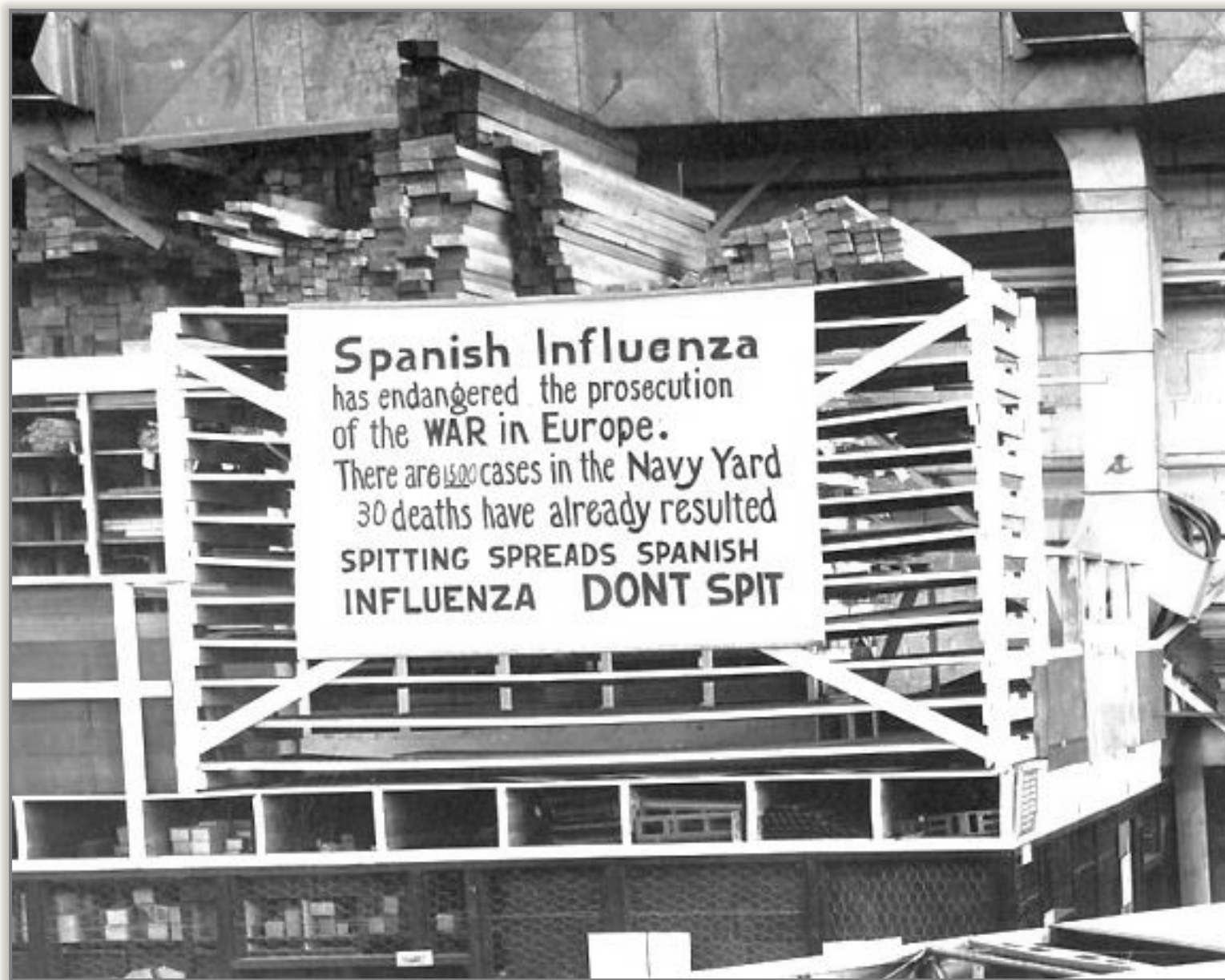
Johnson N, Mueller J. *Bull Hist Med.* 2002;76:105-15.

Dicke T. *J History Med Allied Sci.* 2015;70(2):195-217.

Spanish Flu: Second Wave

- Increase in virulence between first and second wave of Spanish Flu
 - Possible rapid mutation of proteins on virus surface
 - Possible mutation of viral RNA
 - Novel subtype with no previous immunity in humans under the age of 65
 - Increased virulence correlated with ability to infect swine and later became known as the “swine flu”





Influenza precaution sign
at Naval Aircraft Factory,
Philadelphia, PA, 1918.

— U.S. Naval History and
Heritage Command



Preventative sleeping quarters for
U.S. Navy service personnel, 1918.

— National Health #NH 41871



Interior view of influenza ward in Rengsdorf, Germany, 1918.

— History of Medicine (NLM)



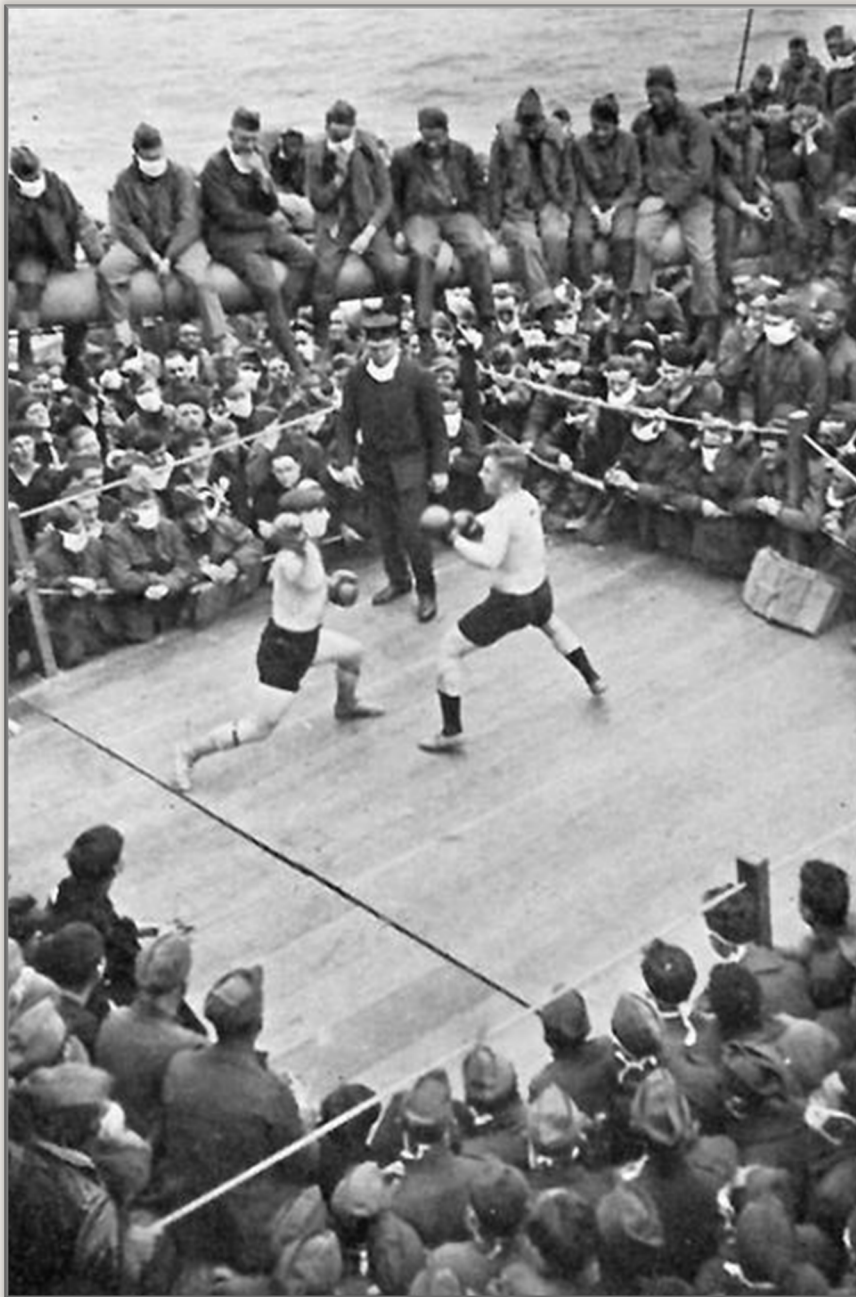
New York City typist, 1918.

— National Archives



The Red Cross bringing food to a sick family in Charlotte, North Carolina, but the mother had just died, 1918.

— National Archives



Boxing match on the USS Siboney
at sea, while transporting troops to
France, 1918-1919.

— U.S. Naval History and Heritage Command



The 39th Regiment marches down 2nd Avenue in Seattle with masks, 1918.

— National Archives

TWO CENTS
CITY AND COUNTY

LOS ANGELES
EVENING HERALD
PUBLISHED DAILY
EXCEPT SUNDAYS AND HOLIDAYS

SECTION
WANTED

VOL. XLIV.

Weather—FAIR.

"THE PAPER THAT GOES HOME"

THURSDAY, NOVEMBER 7, 1918

"THE PAPER THAT GOES HOME"

Weather—FAIR.

**POET LAUREATE
OF POLICE, ILL,
WRITES TWO
NEW POEMS**

One Is Dedicated to Sergeant
Joyce Kilmer, Who Was
Killed in France

PENS BEAUTIFUL SENTIMENT

Verses to 'The Healing Hills'
Reflect Writer's Love
for Wildwoods

While he was confined to his room by an attack of influenza, Cyrus C. Johnson, the poet laureate of the police department, wrote two short poems.

One of these is dedicated to Sergeant Joyce Kilmer, the "widder poet," who died on the battlefield in France. The other is entitled, "The Healing Hills."

Both poems are said by critics to be even better than the former excellent work of the poetic police officer. Johnson has recovered from his illness.

The verses follow:

SERGEANT JOYCE KILMER

High were his aims to those who did not
Before the battle's wilding breath.
For the growth of those he loved so well,
He started a shrine from the wreck of death.
No soldier could his soul could die,
No hero could see his wife's death;
The shining shield he kept ever true
Above the shadows of the fate.
How near he was the Range Beyond,
How near he was the Range Beyond,
The war would come that leaves only
The shadow of the poet's love.

THE HEALING HILLS

High up in the hills, in a moment of
In the early morn, when morning mist,
I laid a stream and called it
To the top of the healing hills,
In the garden grew the healing hills,
When morning mist was over and
The sun on the hills was
With the stars on the wings of the healing
Hills high, the hills of the healing hills,
From the healing hills of the healing hills,
A healing hills, from the healing hills,
Only to rise on a healing hills,
From the healing hills of the healing hills,
The healing hills, the healing hills.

**Indians at Pomona
Hard Hit by 'Flu';
Two Die in Hospital**

A number of Indians are in the
Emergency hospital at Pomona, with
the healing hills of the healing hills.

**Russia Breaks Off
Relations with Hun**

STOCKHOLM, via London, Nov. 7.
—Diplomatic relations between Russia and Germany have been broken. It is reliably reported here. The Russian ambassador to Germany, M.

MASKED MARVELS—FLU GARBED COUNCIL



This Is
The Way
They Look
When
Obeying
the "Flu"
Regulations

**SLAYER OF MAN
WHO CHIPPED**

**F. C. Gribby and Wife
Completely Freed of
Disloyalty Charge**

When government investigators had
convinced Stephen H. Long of
disloyalty at the home of Mr. and
Mrs. Fred C. Gribby, of Alhambra,

**NEW MINIMUM
WAGE RATE SET
FOR WOMEN**

Two dollars per week was the mini-
mum wage authorized today by the
state industrial warfare commission,
for restricted women working in
factories. The order will become ef-
fective Jan. 1, 1919.

This will not apply to women em-
ployed in hotels, restaurants, tele-
graph or telephone offices or in
printing and engraving plants.
Mrs. Katherine Phillips Nelson of
the industrial warfare commission ex-
plained the order, as follows:
THE EXPLANATION

HEAD
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of Depa
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agent of
this city,
a man in
of other
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for the

Los Angeles Evening Herald, 1918.