

Explanation.

- Area, in square miles.
- Rain Fall, in inches (From the Chart of Annual Rain, Fall published by the Smithsonian Institution, 1872)
- Corn and Wheat, in bushels.
- Tobacco and Rice, in pounds.
- Sugar, in hogheads.
- Cotton, in bales.
- Steam Power and Water Power actually employed in Manufactures, in the unit of horse power.

**MAP OF THE
RIVER SYSTEMS OF THE UNITED STATES**

COMPILED BY
A. VON STEINWEHR.
To which are added certain statistics compiled from the
RETURNS OF POPULATION AND INDUSTRY
at the Ninth Census 1870
BY
FRANCIS A. WALKER.

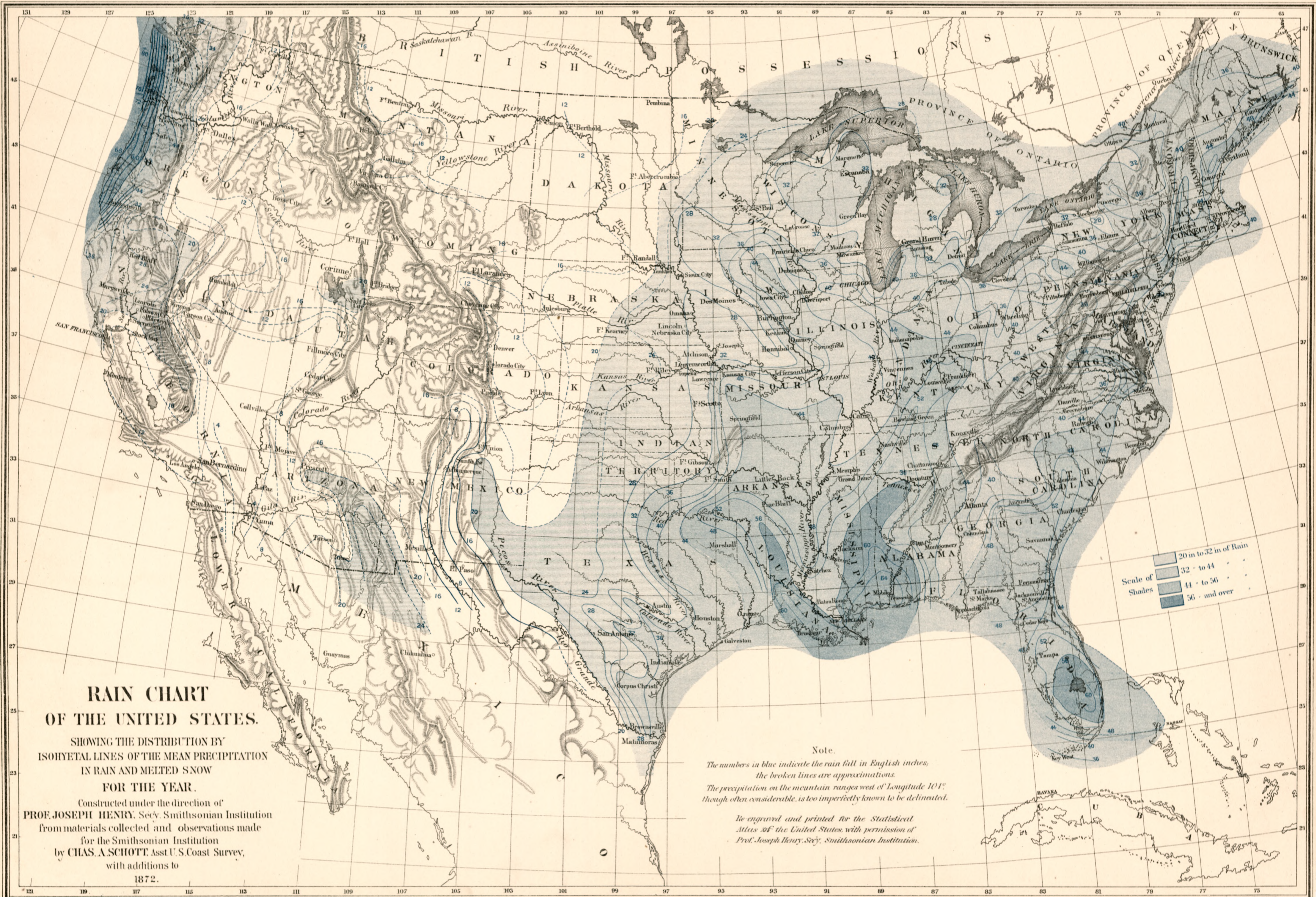


SCALE.

Under 40 acres to the Sq. Mile

Under 40	I
40 - 120	II
120 - 240	III
240 - 360	IV
360 - 560	V
560 and over	V

MAP
 SHOWING IN FIVE DEGREES OF DENSITY
 THE DISTRIBUTION OF
WOODLAND
 WITHIN THE TERRITORY OF THE
 UNITED STATES.
 1873.
 Compiled by
 W^m H. BREWER.



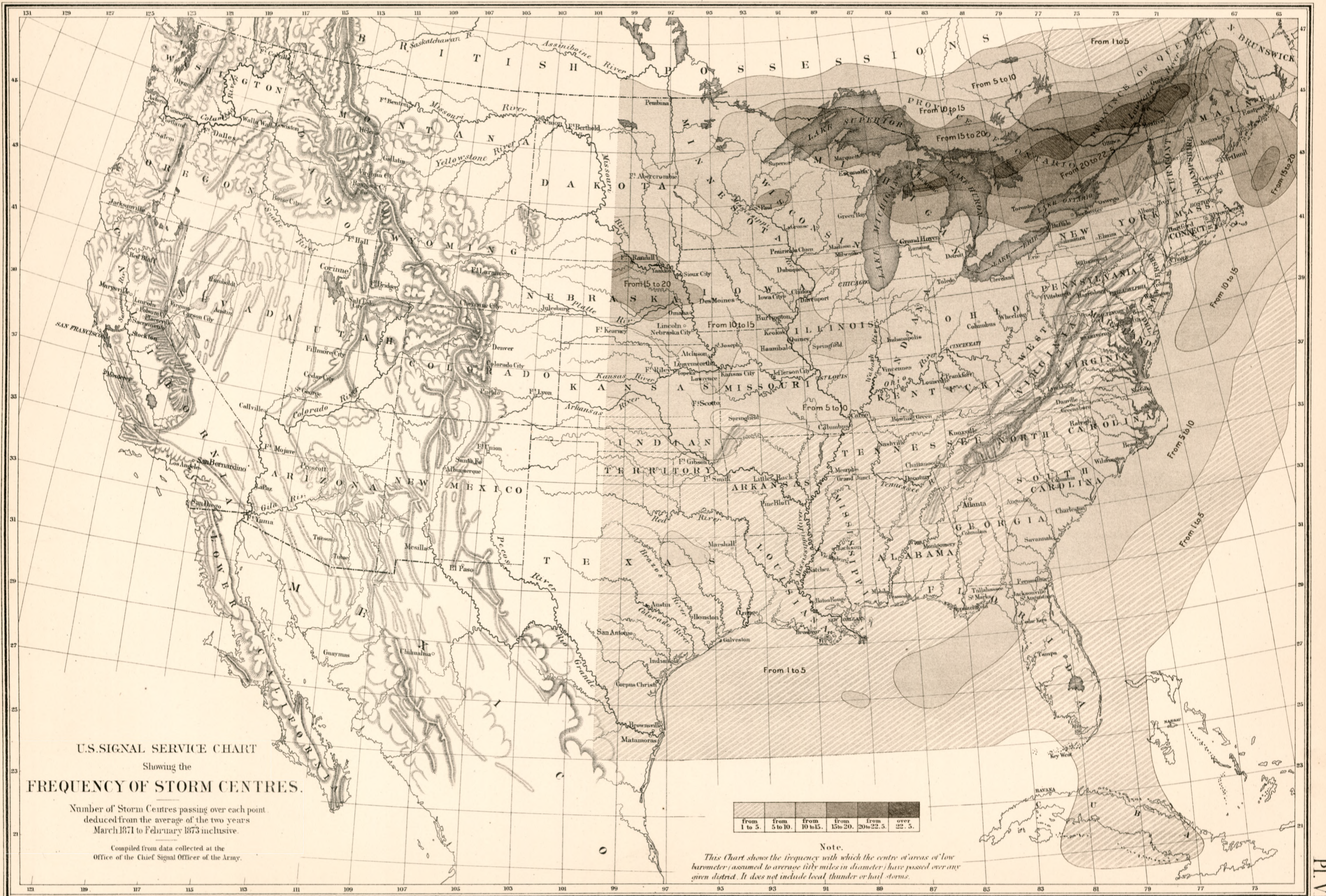
**RAIN CHART
OF THE UNITED STATES.**

SHOWING THE DISTRIBUTION BY
ISOHYETAL LINES OF THE MEAN PRECIPITATION
IN RAIN AND MELTED SNOW
FOR THE YEAR.

Constructed under the direction of
PROF. JOSEPH HENRY, Secy. Smithsonian Institution
from materials collected and observations made
for the Smithsonian Institution
by **CHAS. A. SCHOTT**, Asst. U.S. Coast Survey,
with additions to
1872.

Note.
The numbers in blue indicate the rain fall in English inches,
the broken lines are approximations.
The precipitation on the mountain ranges west of Longitude 101°
though often considerable, is too imperfectly known to be delineated.

Engraved and printed for the Statistical
Atlas of the United States, with permission of
Prof. Joseph Henry, Secy. Smithsonian Institution.



U.S. SIGNAL SERVICE CHART
 Showing the
FREQUENCY OF STORM CENTRES.

Number of Storm Centres passing over each point
 deduced from the average of the two years
 March 1871 to February 1873 inclusive.

Compiled from data collected at the
 Office of the Chief Signal Officer of the Army.

From 1 to 5.	From 5 to 10.	From 10 to 15.	From 15 to 20.	From 20 to 22.5.	From 22.5 to 25.
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Note.
 This Chart shows the frequency with which the centre of areas of low
 barometer (assumed to average fifty miles in diameter) have passed over any
 given district. It does not include local thunder or hail storms.

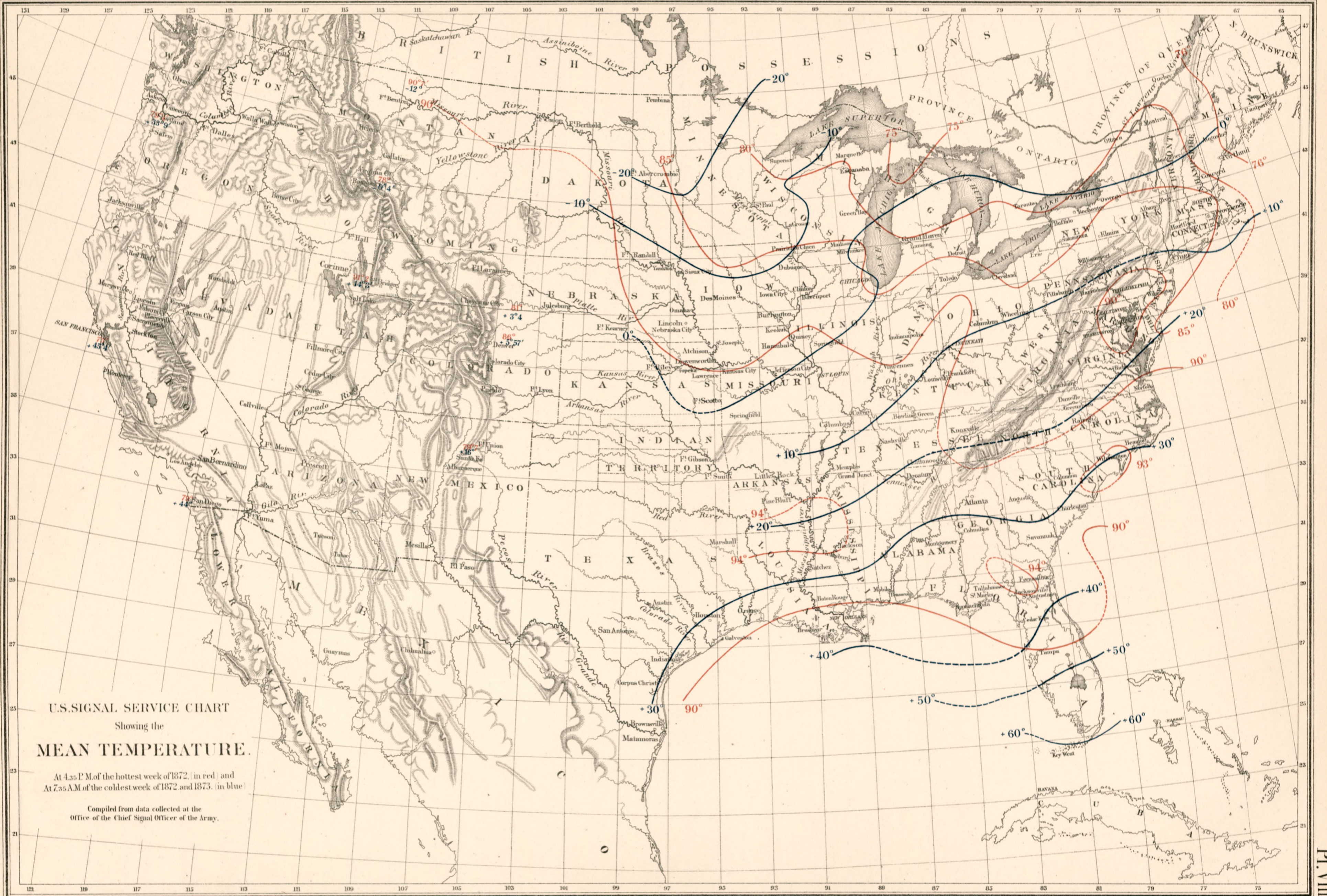


**TEMPERATURE CHART
OF THE UNITED STATES.**

SHOWING THE DISTRIBUTION
BY ISOTHERMAL LINES OF THE MEAN TEMPERATURE
FOR THE YEAR.

Constructed under the direction of
PROF. JOSEPH HENRY Secy. Smithsonian Institution
by **CHAS. A. SCHOTT**, Asst. U.S. Coast Survey,
in October, 1872.

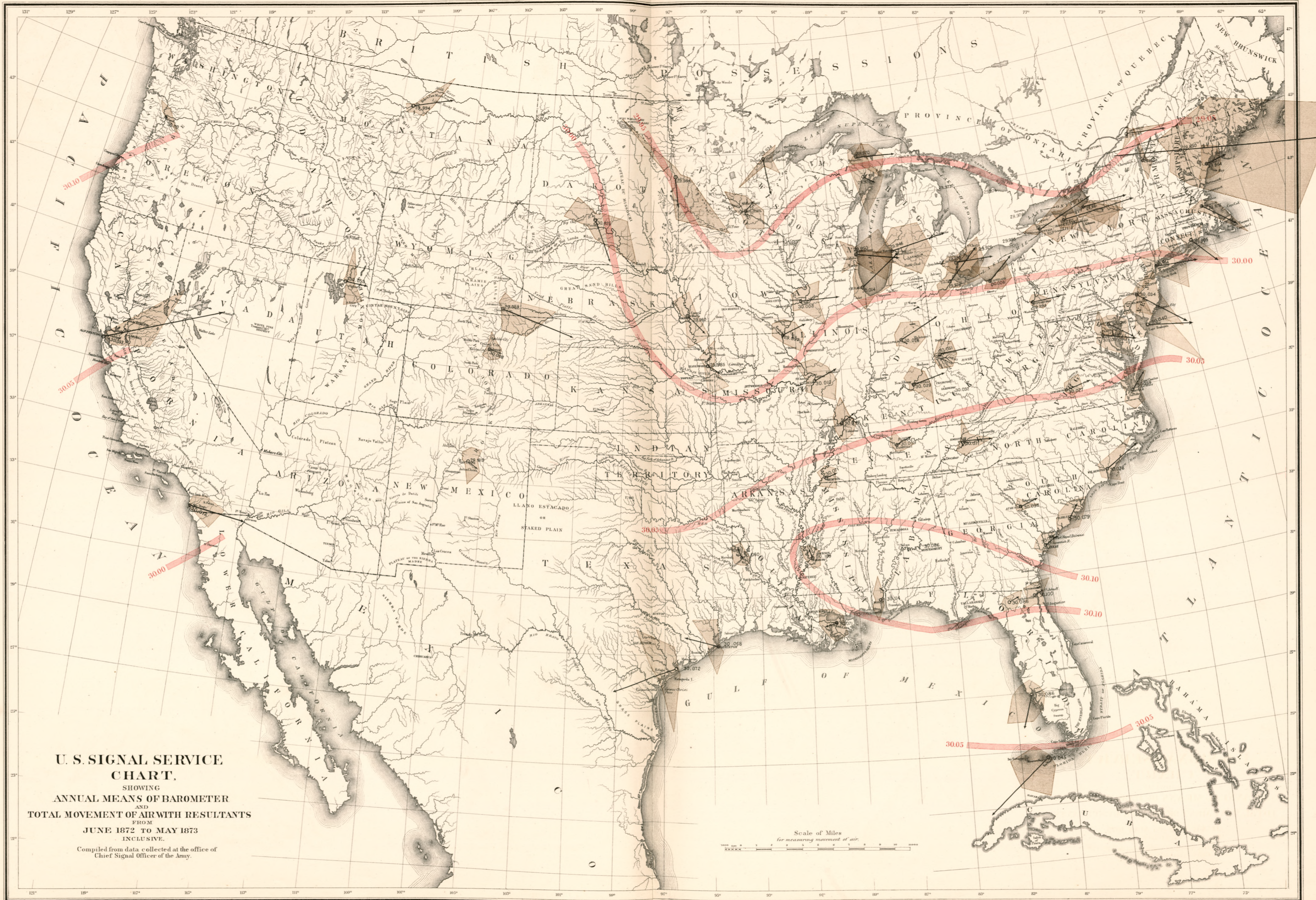
*Engraved and printed for the Statistical
Atlas of the United States, with permission of
Prof. Joseph Henry, Secy. Smithsonian Institution.*



U.S. SIGNAL SERVICE CHART
 Showing the
MEAN TEMPERATURE.

At 4.35 P.M. of the hottest week of 1872. (in red) and
 At 7.35 A.M. of the coldest week of 1872. and 1873. (in blue)

Compiled from data collected at the
 Office of the Chief Signal Officer of the Army.



**U. S. SIGNAL SERVICE
CHART.**
SHOWING
ANNUAL MEANS OF BAROMETER
AND
TOTAL MOVEMENT OF AIR WITH RESULTANTS
FROM
JUNE 1872 TO MAY 1873
INCLUSIVE.
Compiled from data collected at the office of
Chief Signal Officer of the Army.

Scale of Miles
for measuring movement of air.

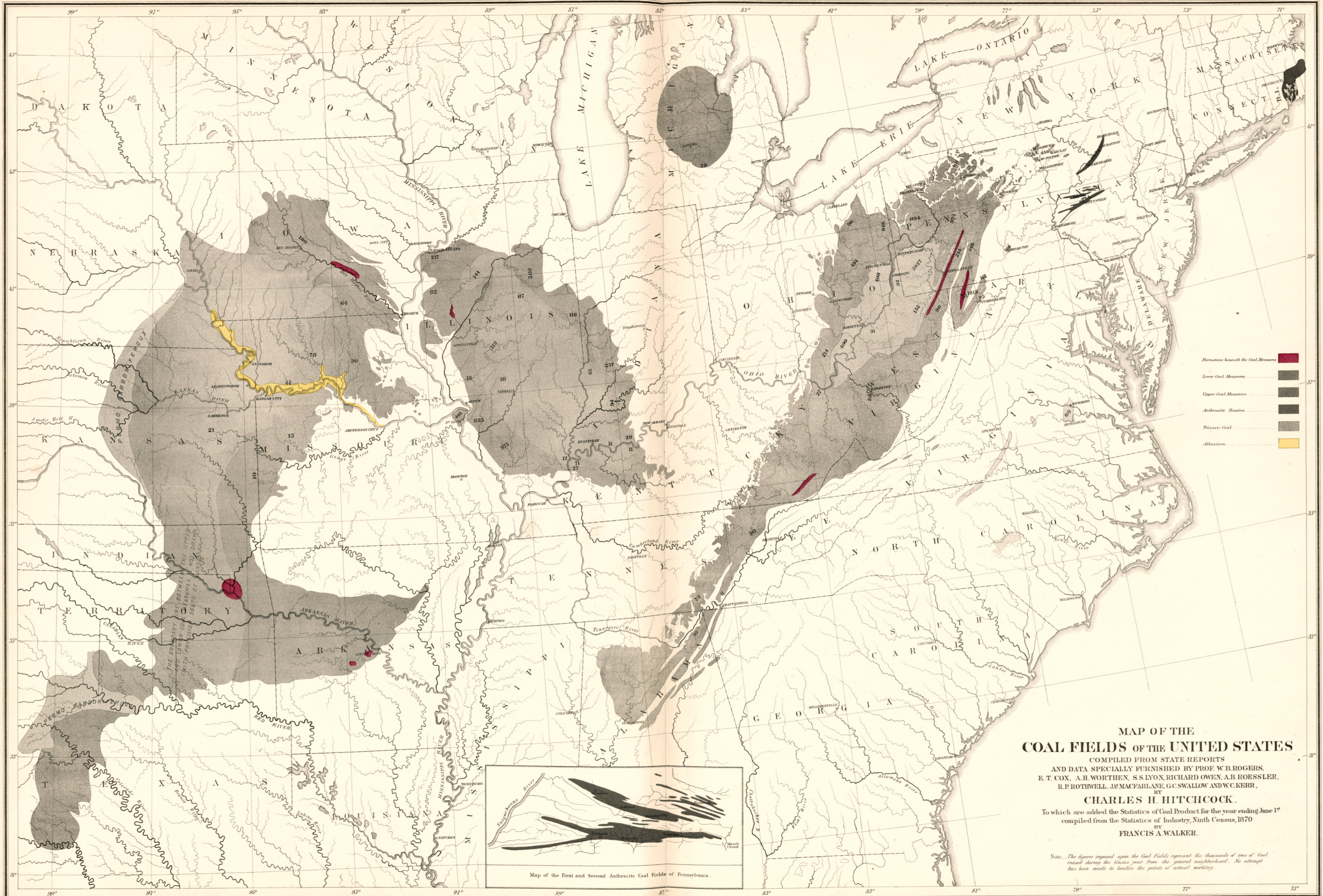


HYPOMETRIC SKETCH OF THE UNITED STATES.

*The level curves of 400 and 800 feet of Elevation constructed by A. Gingot.
 The level curves of 2000, 4000 and 8000 feet of Elevation
 constructed by Chas. A. Schott, Ass't U.S. Coast Survey.*

Reproduced from the "Vital Statistics" Ninth Census, 1870.

Shore line from the Coast Survey, mountains from Government Surveys.



- Formations beneath the Coal Measures
- Lower Coal Measures
- Upper Coal Measures
- Anthracite Basins
- Tertiary Coal
- Alluvium

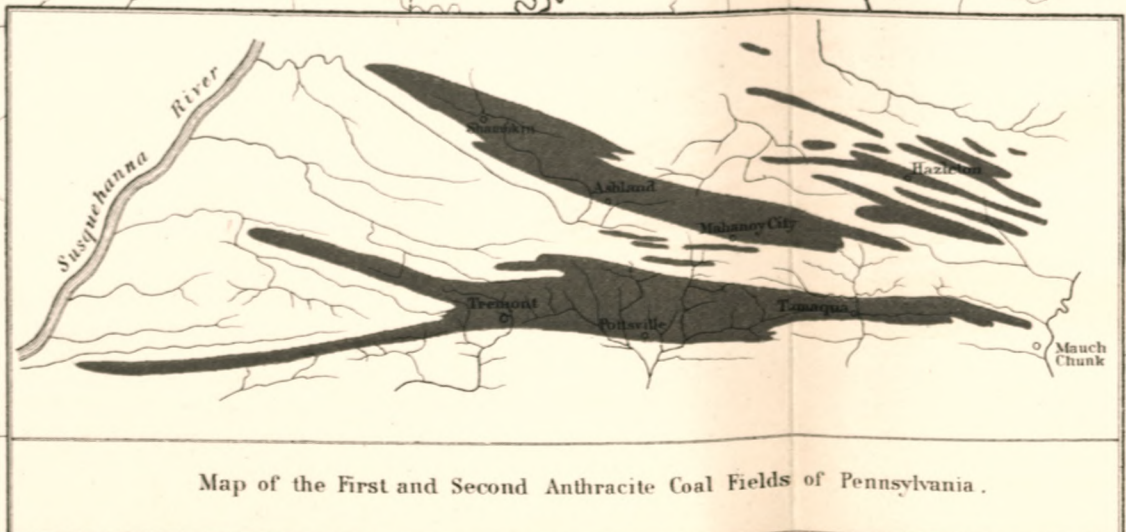
**MAP OF THE
COAL FIELDS OF THE UNITED STATES**

COMPILED FROM STATE REPORTS
AND DATA SPECIALLY FURNISHED BY PROF. W. B. ROGERS,
E. T. COX, A. H. WORTHEN, S. S. LYON, RICHARD OWEN, A. B. ROESSLER,
R. P. ROTHWELL, J. MACFARLANE, G. C. SWALLOW AND W. C. KERR,

BY
CHARLES H. HITCHCOCK.

To which are added the Statistics of Coal Product for the year ending June 1st
compiled from the Statistics of Industry, Ninth Census, 1870

BY
FRANCIS A. WALKER.



Map of the First and Second Anthracite Coal Fields of Pennsylvania.

Note.—The figures imposed upon the Coal Fields represent the thousands of tons of Coal raised during the Census year from the general neighborhood. No attempt has been made to localize the points of actual working.



GEOLOGICAL MAP
 OF THE
UNITED STATES
 COMPILED BY
C. H. HITCHCOCK AND W. P. BLAKE
 from sources mentioned in the text.
 1874.
 Lith. by J. Bien N.Y.

Note: There may be some Metamorphic Paleozoic formations included in the Atlantic portion of the Eozoic. In the western portion the Metamorphic Mesozoic formations are only partially separated from it. The Paleozoic System and the Cenozoic System are not subdivided west of 100° W. Long Greenwich except in the case of a few Post tertiary lacustrine areas and deltas.