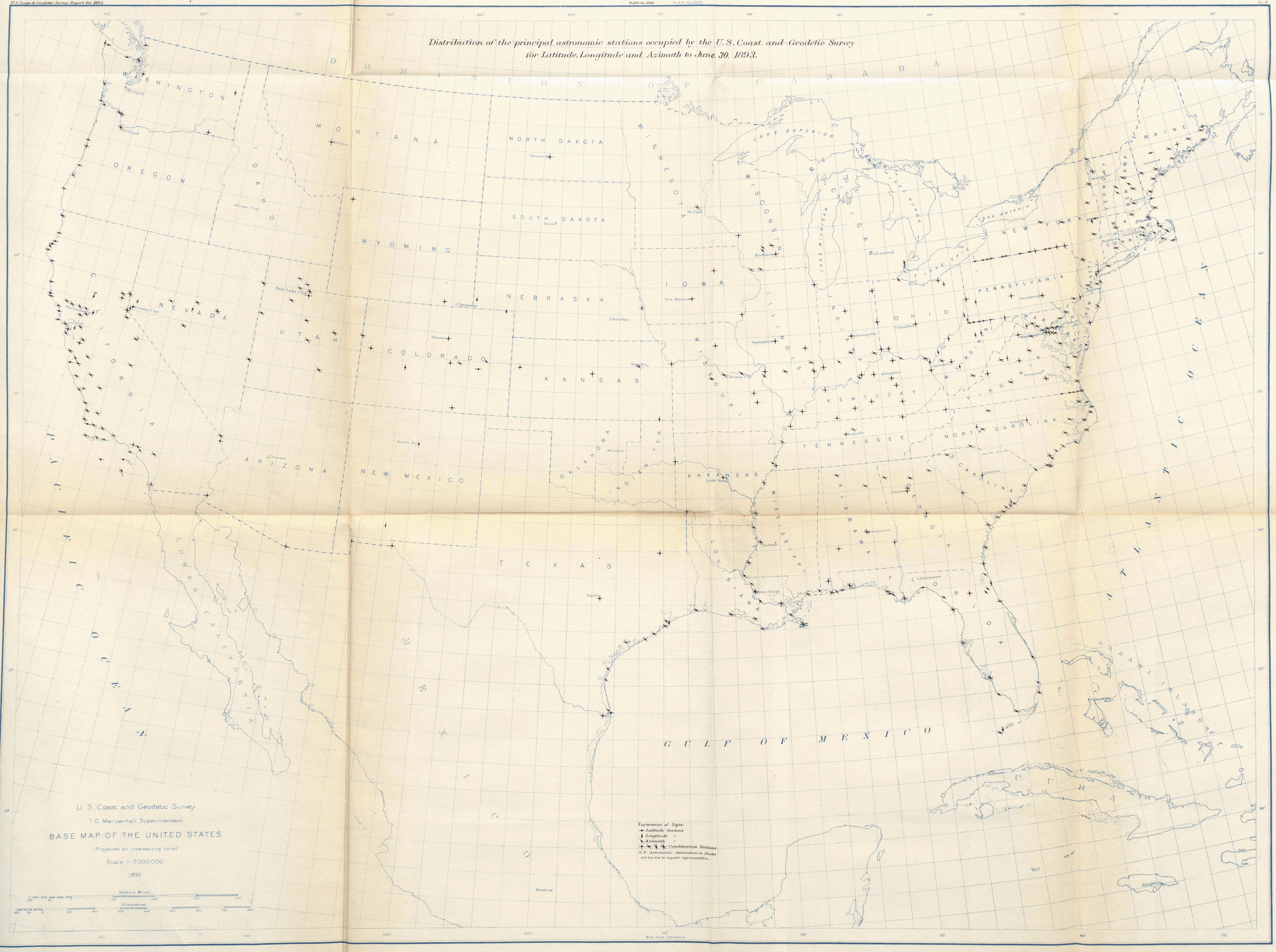
5

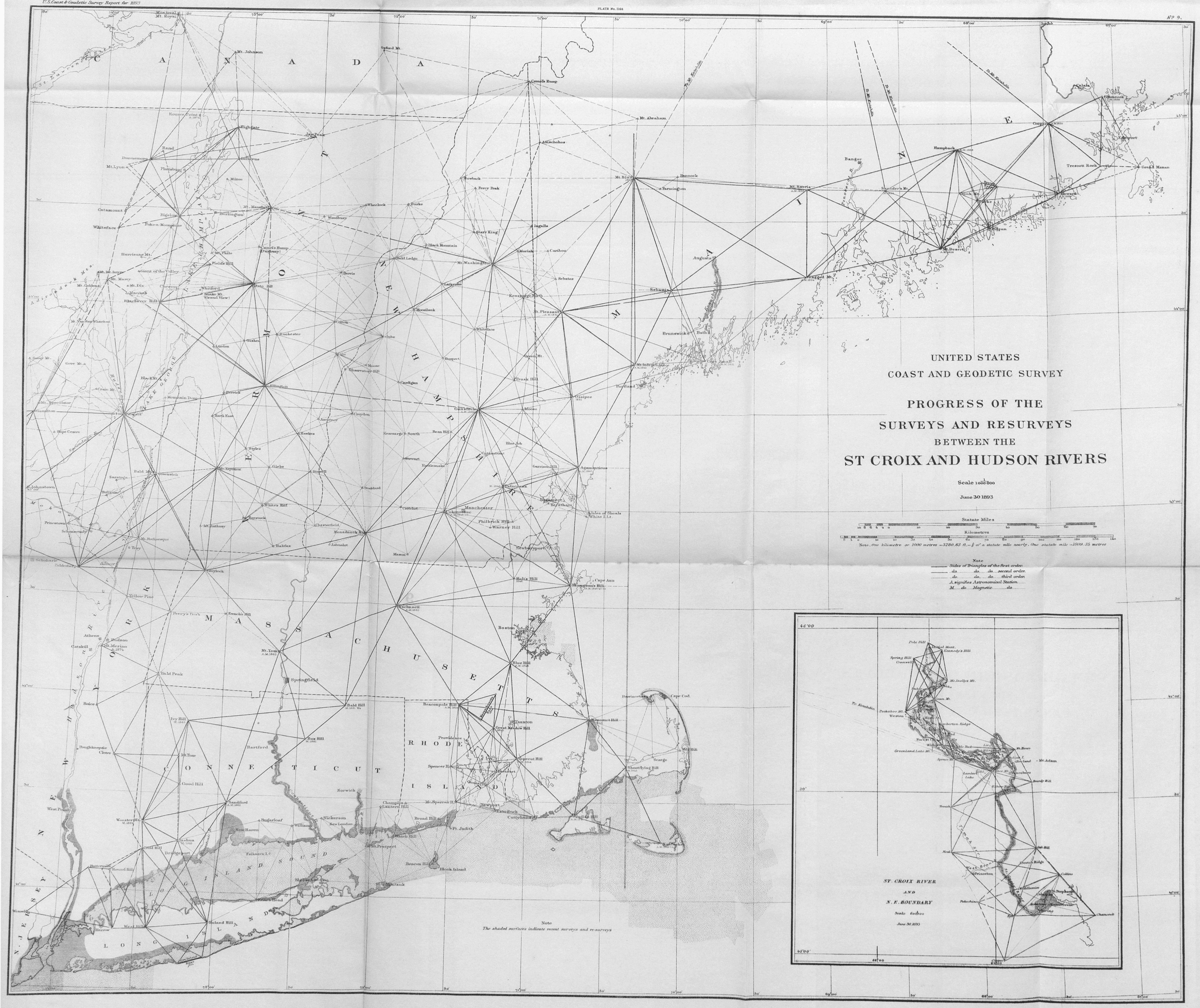
Computing Division
Oct. 1894

Positions of Magnetic Stations
occupied to June 30 1893
DOMINION OF CANADA
WASHINGTON
OREGON
IDAHO
MONTANA
WYOMING
NORTH DAKOTA
SOUTH DAKOTA
NEBRASKA
COLORADO
KANSAS
NEVADA
UTAH
CALIFORNIA
ARIZONA
NEW MEXICO
OKLAHOMA
INDIAN TERR.
TEXAS
MINNESOTA
IOWA
MISSOURI
ARKANSAS
LOUISIANA
WISCONSIN
ILLINOIS
MICHIGAN
INDIANA
OHIO
KENTUCKY
TENNESSEE
MISSISSIPPI
ALABAMA
GEORGIA
FLORIDA
SOUTH CAROLINA
NORTH CAROLINA
VIRGINIA
WEST VIRGINIA
PENNSYLVANIA
NEW YORK
VERMONT
NEW HAMP.
MAINE
CONN.
LAKE SUPERIOR
LAKE MICHIGAN
LAKE HURON
LAKE ERIE
LAKE ONTARIO
GULF OF MEXICO
CUBA
BAHAMA ISLANDS
PACIFIC OCEAN
ATLANTIC OCEAN
Olympia
Portland
Helena
Bismarck
Pierre
St. Paul
Boise City
Salt Lake City
Sacramento
Carson City
Cheyenne
Denver
Lincoln
Des Moines
Madison
Lansing
Springfield
Indianapolis
Columbus
Topeka
Jefferson City
Frankfort
Harrisburg
Washington
Richmond
Raleigh
Nashville
Santa Fe
Prescott
Austin
Little Rock
Jackson
Baton Rouge
Montgomery
Atlanta
Tallahassee
Columbia
Augusta
Montpelier
Concord
Boston
Albany
Hartford
Havana
Nassau
Kingston
Mexico
Stations occupied prior to June 30 1892
" " during 1892-93
U. S. Coast and Geodetic Survey
T. C. Mendenhall, Superintendent
BASE MAP OF THE UNITED STATES
(Projected on intersecting cone)
Scale 1:7000000
1893
Statute Miles
Kilometres
West from Greenwich
Computing Division
Oct. 1894

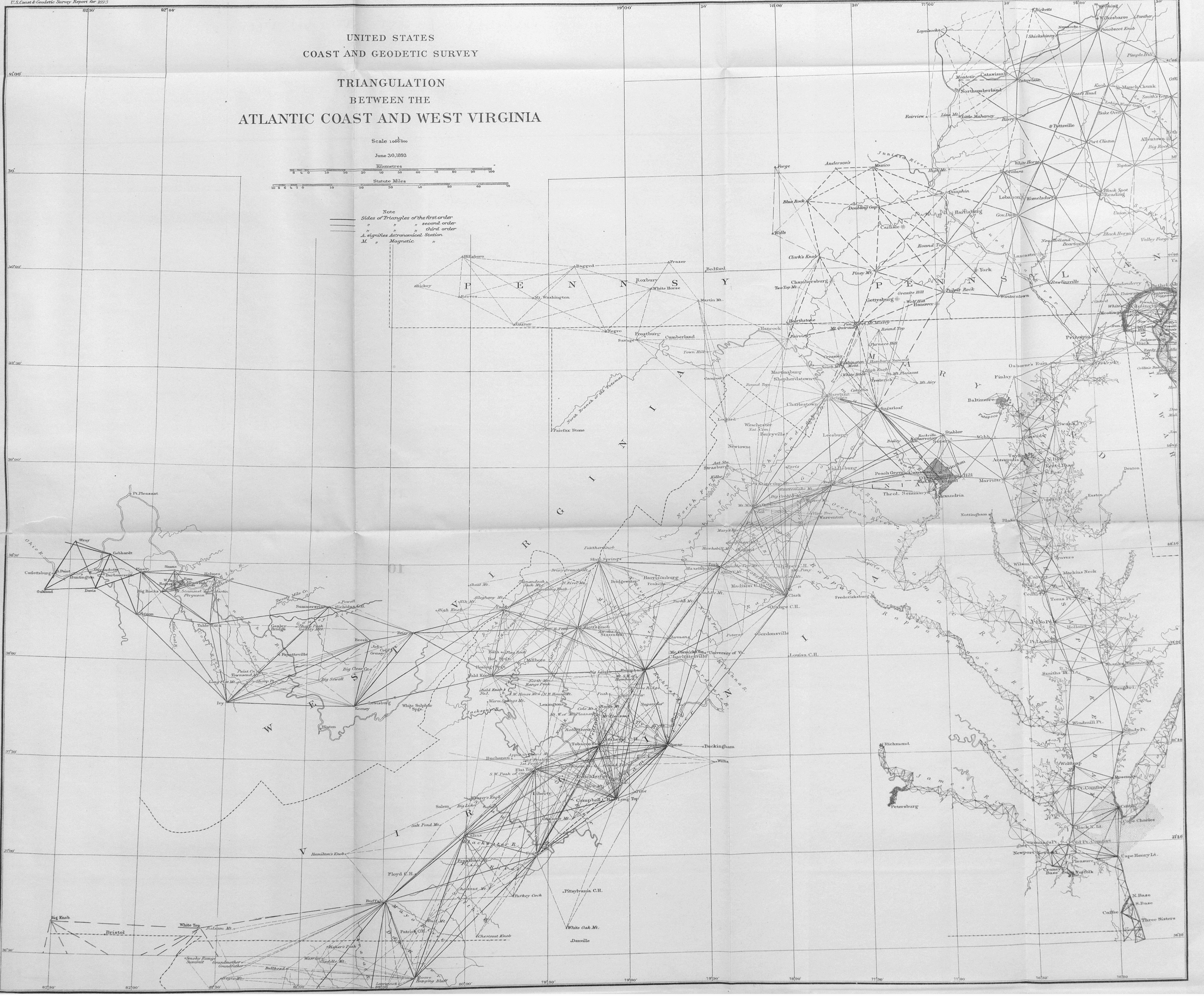
Routes of Geodetic Spirit Leveling
and
Positions of Gravity Stations
to June 30 1893
DOMINION OF CANADA
WASHINGTON
Olympia
Portland
OREGON
IDAHO
Boise City
MONTANA
Helena
NORTH DAKOTA
Bismarck
SOUTH DAKOTA
Pierre
WYOMING
NEBRASKA
Lincoln
Cheyenne
Denver
COLORADO
KANSAS
Topeka
Salt Lake City
UTAH
NEVADA
Carson City
Sacramento
CALIFORNIA
ARIZONA
Prescott
Santa Fe
NEW MEXICO
OKLAHOMA
Guthrie
INDIAN TERR.
TEXAS
Austin
MINNESOTA
St. Paul
WISCONSIN
Madison
IOWA
Des Moines
MISSOURI
Jefferson City
ILLINOIS
Springfield
ARKANSAS
Little Rock
LOUISIANA
Baton Rouge
Jackson
MISSISSIPPI
LAKE SUPERIOR
LAKE MICHIGAN
LAKE ONTARIO
LAKE ERIE
MICHIGAN
Lansing
INDIANA
Indianapolis
OHIO
Columbus
KENTUCKY
Frankfort
TENNESSEE
Nashville
NORTH CAROLINA
Raleigh
SOUTH CAROLINA
Columbia
GEORGIA
Atlanta
ALABAMA
Montgomery
FLORIDA
Tallahassee
VIRGINIA
Richmond
Charleston
WEST VIRGINIA
Washington
Annapolis
Dover
PENNSYLVANIA
Harrisburg
NEW YORK
Albany
VERMONT
Montpelier
NEW HAMPSHIRE
Concord
MAINE
Augusta
MASS.
Boston
Providence
Hartford
CONN.
NEW JERSEY
Trenton
GULF OF MEXICO
CUBA
Havana
BAHAMA ISLANDS
Nassau
Kingston
Mexico
PACIFIC OCEAN
ATLANTIC OCEAN
LOWER CALIFORNIA
Lines of levels run prior to June 30 1892
" " " " during 1892-93
" " " " by U.S. Engineers
Gravity stations prior to June 30 1892
" " " during 1892-93
U. S. Coast and Geodetic Survey
T. C. Mendenhall, Superintendent
BASE MAP OF THE UNITED STATES
(Projected on intersecting cone)
Scale 1:7000000
1893
Statute Miles
Kilometres
West from Greenwich
Computing Division
Oct. 1894

8


Distribution of the principal astronomic stations occupied by the U.S. Coast and Geodetic Survey
for Latitude, Longitude and Azimuth to June 30. 1893.
DOMINION OF CANADA
WASHINGTON
OREGON
CALIFORNIA
NEVADA
IDAHO
MONTANA
WYOMING
UTAH
ARIZONA
COLORADO
NEW MEXICO
NORTH DAKOTA
SOUTH DAKOTA
NEBRASKA
KANSAS
OKLAHOMA
INDIAN TER.
TEXAS
MINNESOTA
IOWA
MISSOURI
ARKANSAS
LOUISIANA
WISCONSIN
ILLINOIS
MICHIGAN
INDIANA
OHIO
KENTUCKY
TENNESSEE
MISSISSIPPI
ALABAMA
GEORGIA
FLORIDA
SCAROLINA
NORTH CAROLINA
VIRGINIA
W. VIRGINIA
PENNSYLVANIA
NEW YORK
VERMONT
NEW HAMP.
MAINE
MASS.
CONN.
NEW JERSEY
LAKE SUPERIOR
LAKE MICHIGAN
LAKE HURON
LAKE ERIE
LAKE ONTARIO
PACIFIC OCEAN
ATLANTIC OCEAN
GULF OF MEXICO
MEXICO
CUBA
BAHAMA ISLANDS
Olympia
Portland
Helena
Boise City
Salt Lake City
Cheyenne
Denver
Santa Fe
Prescott
Bismarck
Pierre
St. Paul
Madison
Lansing
Des Moines
Lincoln
Topeka
Springfield
Indianapolis
Columbus
Frankfort
Charleston
Richmond
Raleigh
Nashville
Atlanta
Montgomery
Tallahassee
Jackson
Baton Rouge
Austin
Little Rock
Guthrie
Mexico
Nassau
Kingston
Explanation of Signs:
Latitude Stations
Longitude "
Azimuth "
Combination Stations
N.B. Astronomic observations in Alaska are too few to require representation.
U. S. Coast and Geodetic Survey
T. C. Mendenhall, Superintendent
BASE MAP OF THE UNITED STATES
(Projected on intersecting cone)
Scale 1:7000000
1893
Statute Miles
Kilometres
West from Greenwich


UNITED STATES
COAST AND GEODETIC SURVEY
PROGRESS OF THE
SURVEYS AND RESURVEYS
BETWEEN THE
ST CROIX AND HUDSON RIVERS
Scale 1/1000000
June 30 1893
Statute Miles
Kilometres
Note. One kilometre or 1000 metres = 3280.83 ft. = 5/8 of a statute mile nearly. One statute mile = 1609.35 metres
Note
Sides of Triangles of the first order.
do. do. do. second order.
do. do. do. third order.
A. signifies Astronomical Station.
M. do. Magnetic do.
Note
The shaded surfaces indicate recent surveys and re-surveys
CANADA
NEW BRUNSWICK
MAINE
NEW HAMPSHIRE
VERMONT
MASSACHUSETTS
RHODE ISLAND
CONNECTICUT
LONG ISLAND
LONG ISLAND SOUND
NEW YORK
NEW JERSEY
LAKE CHAMPLAIN
LAKE GEORGE
Mt. Royal
Mt. Johnson
Oxford Mt.
Camels Hump
Mt. Abraham
Katahdin
Mt. Blue
Bangor
Mt. Harris
Saunders Mt.
Hampback
Cutler
Calais
Chamcook
Eastport
Trescott Rock
Grand Manan
Mt. Desert
Bucksport
Augusta
Sebattis
Bigelow
Mt. Mansfield
Burlington
Whiteface
Catamount
Mt. Marcy
Mt. Dix
Giant of the Valley
Mt. Philo
Fields Hill
Camels Hump (Duxbury)
Bald Ledge
Mt. Washington
Moriah
Caribou
Sebago
Kearsarge North
Mt. Pleasant
Moosilauke
Lafayette
Black Mountain
Starr King
Jagalls
Percy Peak
Bowback
Bonnock
Farmington
Rockingham
Concord
Mt. Independence
Portland
Brunswick
Bath
Gerrish Mt.
Green Mt.
Frost Hill
Gunstock
Belknap
Ossipee
Moose
Agamenticus
Garnet Hill
Cardigan
Observatory Hill
Moose
Rochester
Gosnen
Whiteface
Pillsbury
Cube
Respect
Sugar Mt.
Gore Mt.
Black Mt.
Crane Mt.
Mt. Greylock
Hamilton
Mt. Vanderwhacker
Mt. Colden
Mt. Marcy
Mt. Dix
Giant of the Valley
Whitford
Snake Mt. (Grand View)
Blackberry Hill
Hurricane Mt.
Mt. Philo
Fields Hill
Baris
Bellows Falls
Bennington
Pittsfield
Lenox
Greylock
Saratoga
Bald Mt.
Greenwich
Johnstown
Ballston
Hope Centre
Mt. Equinox
Glebe
Stowell
Stoddard
Crotched
Monadnock No. 1
Mt. Anthony
Baystack
Chesterfield
Ashmelot
Mt. Rafinesque
Princetown
Schenectady
Troy
Halifax
Albany
Gaylock
Schoharie
Catskill
Athens
Hudson
Mt. Merino
Yellow Pine
Perry's Peak
French's Hill
Mt. Tom
Springfield
Bald Peak
Boice
Ivy Hill
Bald Hill
Beacon Hill
Blue Hill
Boston
Wachusett
Mt. Holly
Cape Ann
Cape Cod
Provincetown
Nomonet Hill
Mill Hill
Seargo
Shoal Flying Hill
Sankaty
Nantucket
Great Meadow Hill
Taunton
Box Hill
Hartford
Poughkeepsie
Clove
Mt. Tom
Good Hill
Sandford
Wooster Mt.
Sugarloaf
Williams
Nickerson
New London
Norwich
Providence
Spencer Hill
Mt. Sparrow Hill
Newport
East Rock
Cuttyhunk
Gardiner Hill
Pt. Judith
Block Island
Broad Hill
Mt. Prospect
Bergen Hill
Shark Hill
Sherrill
Fairfield
Bridgeport
Round Hill
Butterwilk
Wanaque
Barrow
West Hill
Holland Hill
Fishers Island
Montauk
Pole Hill
Critical Mont.
Kennedy's Hill
Spring Hill
Cromwell
McIntire's Mt.
Pokehoo Mt.
Weston
Cumberton Ridge
Greenland Lake Mt.
Mt. Henry
Mt. Adam
Lambert Lake
Boundy Hill
Noal
Scotch Ridge
Princeton
Collins
Mt. Stephens
Pokeshine
Chamcook
ST. CROIX RIVER
AND
N. E. BOUNDARY
Scale 1/60000
June 30 1893

10


UNITED STATES
COAST AND GEODETIC SURVEY
TRIANGULATION
BETWEEN THE
ATLANTIC COAST AND WEST VIRGINIA
Scale 1/1000000
June 30, 1893
Kilometres
Statute Miles
Note
Sides of Triangles of the first order
" " " second order
" " " third order
A. signifies Astronomical Station
M. " Magnetic "
P E N N S Y L V A N I A
M A R Y L A N D
V I R G I N I A
W E S T V I R G I N I A
D E L A W A R E
Ohio R.
Kanawha R.
Gauley River
Juniata River
Lehigh River
Schuylkill
Susquehanna River
Potomac R.
Shenandoah R.
North Fork
South Fork
Rappahannock River
York River
James River
Occoquan River
Bull Run
Brandywine Cr.
North Branch of the Potomac
Chesapeake Bay
Pt. Pleasant
Wray
Gebhardt
Catlettsburg
S. Point
Huntington
Guyandotte
Barboursville
Oakland
Davis
Piney
Simms
Holmes
Charleston
Big Rocks
Pigeon
Table Rock
Summersville
Nicholas C.H.
Powell
Gauley Bridge
Sharp Peak
Gauley Mts.
Briery
Beech
Fayetteville
Big Clear Cr.
Big Sewall
Long Flat Mt.
Townsend Mt.
Sharp Pt.
Ivy
Keeney
Lewisburg
White Sulphur Spgs.
Hinton
Hamilton's Knob
Floyd C.H.
Buffalo
Patrick C.H.
Big Knob.
White Top
Balsam Mt.
Bristol
Smoky Range Summit
Grandmother
Grandfather
Bullhead
Warrior
Saddle Mt.
Fisher's Peak
Negro Mt.
Lauratown
Moore
Hanging Bluff
Chestnut Knob
Bull Mt.
Chestnut Mt.
Turkey Cock
Pittsylvania C.H.
White Oak Mt.
Danville
Franklin C.H.
Smith
Salem
Big Lick
Salt Pond Mt.
Flat Top
S.W. Peak of Otter
Liberty
Buchanan
Lynchburg
Campbell C.H.
Long Top
Spear
Buckingham
Willis
Tobacco Row
Amherst C.H.
Lexington
Bald Knob
Healing Spgs.
Hot Spgs.
Bath
Millboro
Paddy
High Knob
Cheat Mt.
Alleghany Mt.
Elliott's Knob
Staunton
Slate Springs
Panther Knob
Harrisonburg
Bridgewater
Humpback
Charlottesville
University of Va.
Gordonsville
Louisa C.H.
Orange C.H.
Clark
Fork
Madison C.H.
Culpeper C.H.
Mt. Marshall
Warrenton
Strasburg
Newtown
Winchester
Berryville
Charlestown
Leesburg
Middleburg
Bull Run
Theol. Seminary
Alexandria
Washington
Sugarloaf
Maryland Heights
Frederick
Martinsburg
Shepherdstown
Hancock
Cumberland
Frostburg
Savage
Fairfax Stone
Negro
Garner
Mt. Washington
Reeves
Rickey
Hillsboro
Ragged
Frazer
Roxbury
White Horse
Martin Mt.
Bedford
Forge
Blue Rock
Wells
Clark's Knob
Chambersburg
Gettysburg
Hanover
York
Harrisburg
Carlisle
Round Top
Dauphin
Mexico
Anderson's
Lancaster
Lebanon
Reading
Pottsville
Northumberland
Catawissa
Wilkesbarre
Penobscot Knob
Allentown
Valley Forge
Wilmington
Baltimore
Annapolis
Fredericksburg
Richmond
Petersburg
Norfolk
Newport News Pt.
Old Pt. Comfort
Cape Henry Lt.
Cape Charles
Three Sisters
Windmill Pt.
Smiths Pt. Lt.
Tangier I.
Pt. Lookout
Denton
Easton

Photolith Edition, Coast and Geodetic Survey Report for 1893.

No. 11.

PROGRESS OF THE TRIANGULATION
BETWEEN WEST VIRGINIA AND EASTERN MISSOURI
ALONG THE 39° OF LATITUDE
SCALE 1/1000000
June 30th, 1893.
I L L I N O I S
I N D I A N A
O H I O
K E N T U C K Y
W E S T V I R G I N I A
CINCINNATI
LOUISVILLE
New Albany
Covington
Newport
Vincennes
Washington
Bloomington
Columbus
Madison
Lawrenceburg
Maysville
Portsmouth
Shelbyville
Taylorsville
Sciota River
Kentucky R.
Ohio R.
Mt. Olivet
Ripley
Manchester
Vanceburg
Mt. Pleasant
Fayetteville
Summersville
89°30'
89°00'
88°30'
88°00'
87°30'
87°00'
86°30'
86°00'
85°30'
85°00'
84°30'
84°00'
83°30'
83°00'
82°30'
82°00'
81°30'
81°00'
39°00'
38°30'

PROGRESS OF THE TRIANGULATION
BETWEEN
EASTERN MISSOURI
NEBRASKA
IOWA
KANSAS
MISSOURI
101°
100°
99°
98°
97°
96°
95°
94°
93°
92°
41°
40°
39°
38°
37°
KANSAS RIVER
ARKANSAS RIVER
Republican River
Smoky Hill River
Solomon River
Saline River
Meade's Ranch
Omaha
Council Bluffs
Lincoln
St. Joseph
Atchison
Leavenworth
Kansas City
Topeka
Lawrence
Sedalia
Jefferson City
Springfield
Wichita
Hutchinson
Dodge City
Junction
Abilene
Salina
Ellsworth
Emporia
Independence
Fort Scott
Joplin

PROGRESS OF THE TRIANGULATION
BETWEEN
EASTERN MISSOURI
AND
WESTERN KANSAS
ALONG OR NEAR THE 39TH PARALLEL
JUNE 30TH 1893
SCALE 1/1000000
A. signifies Astronomical Azimuth.
L. " " Latitude Stations.
T. " " Longitude.
Lines between occupied Stations.
" " " " and unoccupied Stations.
" " " " unoccupied Stations.
Kilometres
20 10 0 20 40 60 80 100
Statute Miles
20 10 0 20 40 60 80 100
KANSAS
MISSOURI
OKLAHOMA
INDIAN TERRITORY
ARKANSAS
TEXAS
KANSAS RIVER
ARKANSAS RIVER
Topeka
Kansas City
Wichita
Springfield
Jefferson City

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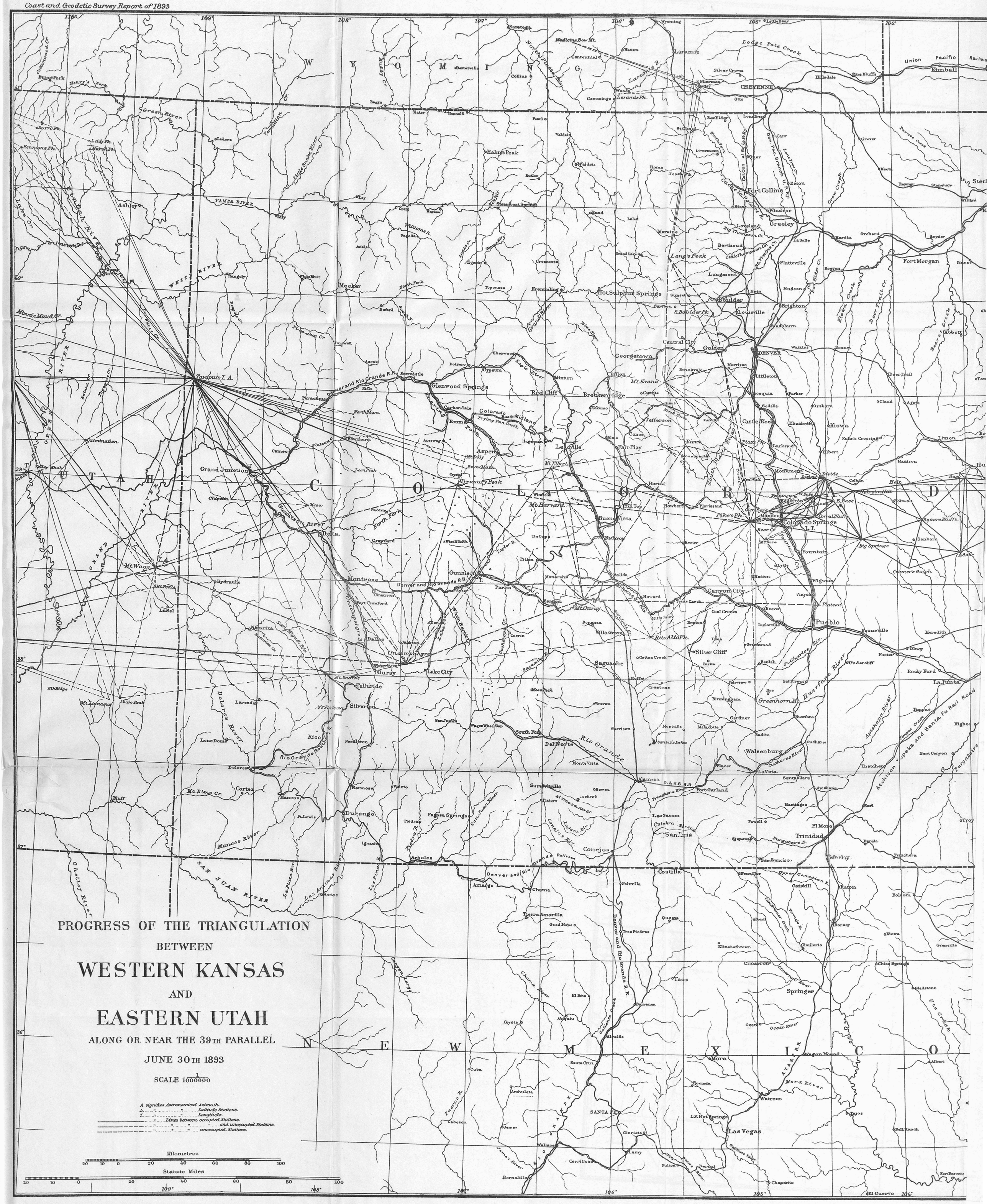
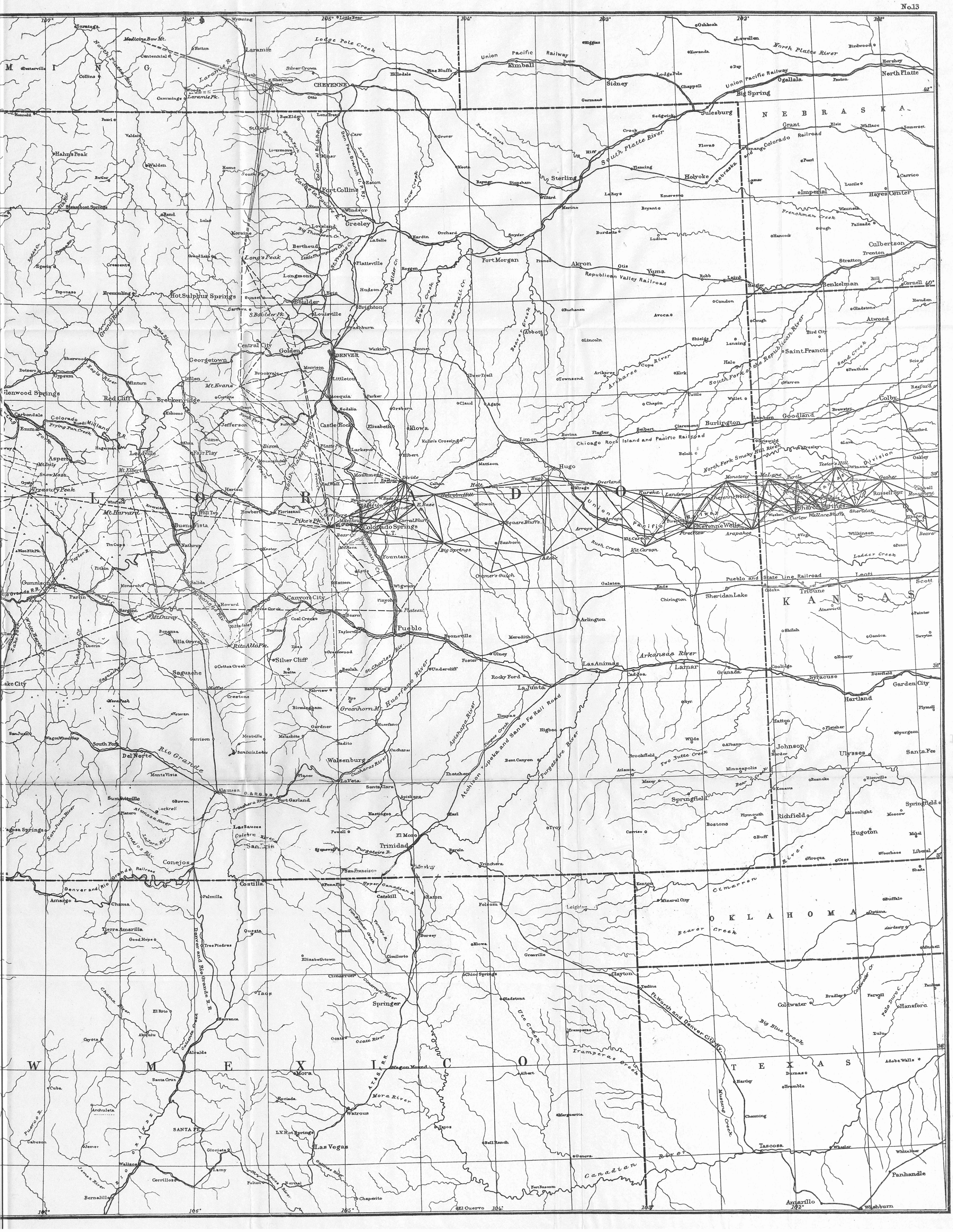
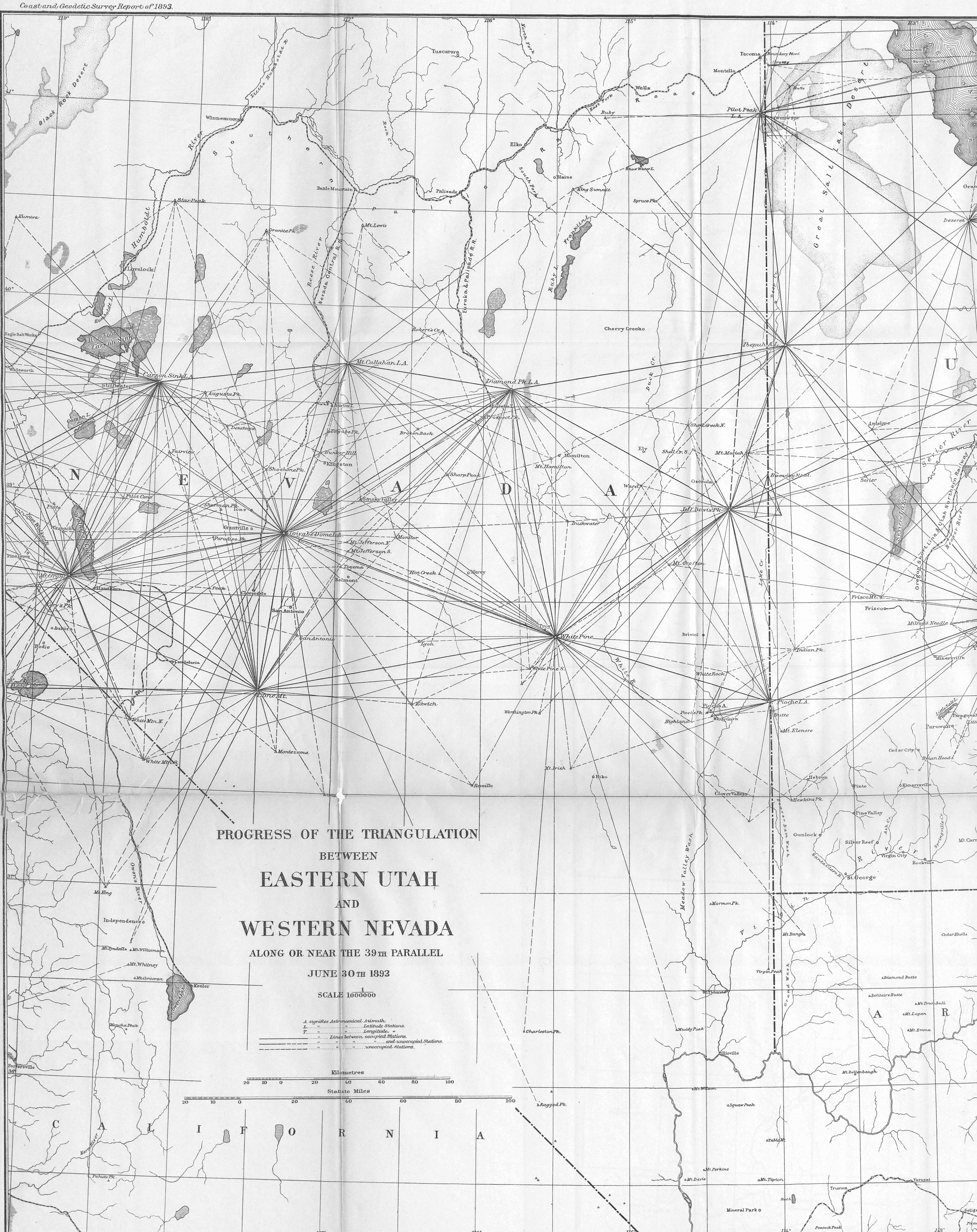

PROGRESS OF THE TRIANGULATION
BETWEEN
WESTERN KANSAS
AND
EASTERN UTAH
ALONG OR NEAR THE 39TH PARALLEL
JUNE 30TH 1893
SCALE 1/1000000
A. signifies Astronomical Azimuth.
L. " " " Latitude Stations.
T. " " " Longitude.
" " Lines between occupied Stations.
" " " " and unoccupied Stations.
" " " unoccupied Stations.
Kilometres
Statute Miles
WYOMING
UTAH
COLORADO
NEW MEXICO
Cheyenne
Denver
Colorado Springs
Pueblo
Trinidad
Raton
Las Vegas
Santa Fe
Grand Junction
Durango
Salt Lake City
Denver and Rio Grande R.R.
Atchison Topeka and Santa Fe Rail Road
Union Pacific Railway


N E B R A S K A
K A N S A S
O K L A H O M A
T E X A S
W M E X I C O
C O L O R A D O
W Y O M I N G
CHEYENNE
Laramie
Kimball
Sidney
Julesburg
Big Spring
Ogallala
North Platte
Sterling
Holyoke
Fort Collins
Greeley
Loveland
Longmont
Boulder
Golden
DENVER
Central City
Georgetown
Fort Morgan
Akron
Yuma
Benkelman
Culbertson
Hayes Center
Imperial
Saint Francis
Atwood
Colby
Goodland
Burlington
Limon
Hugo
Colorado Springs
Pike's Pk.
Pueblo
Canyon City
Leadville
Breckenridge
Buena Vista
Gunnison
Red Cliff
Glenwood Springs
Aspen
Saguache
Del Norte
Walsenburg
Trinidad
La Junta
Las Animas
Lamar
Syracuse
Garden City
Hartland
Tribune
Sheridan Lake
Scott
Springfield
Richfield
Hugoton
Johnson
Ulysses
Santa Fe
Conejos
Costilla
Raton
Springer
Clayton
Mora
Las Vegas
SANTA FE
Taos
Amarillo
Tascosa
Panhandle
Washburn
Arkansas River
South Platte River
North Platte River
Rio Grande
Canadian River
Cimarron River
Union Pacific Railway
Chicago Rock Island and Pacific Railroad
Republican Valley Railroad
Pueblo and State Line Railroad
Atchison Topeka and Santa Fe Rail Road
Denver and Rio Grande R.R.
Ft. Worth and Denver City Ry.
Long's Peak
Mt. Evans
Mt. Harvard
Mt. Elbert
102°
103°
104°
105°
106°
107°


PROGRESS OF THE TRIANGULATION
BETWEEN
EASTERN UTAH
AND
WESTERN NEVADA
ALONG OR NEAR THE 39TH PARALLEL
JUNE 30TH 1893
SCALE 1/1000000
A. signifies Astronomical Azimuth.
L. " " Latitude Stations.
T. " " Longitude. "
" Lines between occupied Stations.
" " " " and unoccupied Stations.
" " " unoccupied Stations.
Kilometres
20 10 0 20 40 60 80 100
Statute Miles
20 10 0 20 40 60 80 100
119° 118° 117° 116° 115° 114° 113°
41° 40° 39° 38° 37° 36°
N E V A D A
C A L I F O R N I A
U
A R
Black Rock Desert
Winnemucca
Little Humboldt R.
Humboldt River
Southern Pacific Railroad
Tuscarora
Rock Cr.
North Fork
East Fork
Wells
Tecoma
Boundary Mont.
Montello
Grassy
Butte
Pilot Peak L.A.
Willow Spr.
Ruby
Elko
Blaine
South Fork
King Summit
Snow Water L.
Spruce Pk.
Franklin L.
Ruby L.
Great Salt Lake Desert
Gunnison
Strong's Knob
Carrington
Grants
Deseret
Battle Mountain
Palisade
Star Peak
Kumiva
Granite Pk.
Mt. Lewis
Reese River
Nevada Central R.R.
Eureka & Palisade R.R.
Lovelock
Humboldt L.
Humboldt and Carson Sink
Eagle Salt Works
Wadsworth
Stillwater
Carson Sink L.A.
Augusta Pk.
Robert's Cr.
Mt. Callahan L.A.
Diamond Pk. L.A.
Cherry Creeko
Ibepuh A.L.
Duck Cr.
Deep Cr.
Eureka T.
Prospect Pk.
Austin T.
Carson L.
Desatoya
Toyabe Pk.
Broken Back
Shell Creek N.
Shell Cr. S.
Ely
Mt. Moriah
Antelope
Sevier River
Fairview
Bunker Hill
Kingston
Shoshone Pk.
Sharp Peak
Hamilton
Mt. Hamilton
Osceola
Boundary Mont.
Ward
Sevier
Sevier Lake
Oregon Short Line & Utah Northern Railway
Beaver River
Pilot Cone
Smoky Valley
Sherman Pk.
Ione
Piute
Wassack
East Walker R.
Walker Lake
Grantville
Toiyabe Dome L.A.
Paradise Pk.
Monitor
Mt. Jefferson N.
Mt. Jefferson S.
Duckwater
Jeff. Davis Pk.
Pine Grove
Mt. Grant
Togema
Belmont
Hot Creek
Morey
Mt. Grafton
Lake Cr.
Frisco Mt.
Frisco
Hawthorn
Peak
Cloverdale
Cory's Pk.
San Antonio
Aurora
Bodie
Troy
White Pine
Bristol
Indian Pk.
Milford Needle
Minersville
San Antonio
Lyon
Candelaria
White Pine S.
White R.
White Rock
Lake Mono
Lone Mt.
Kawich
Worthington Pk.
Pioche A.
Pioche Pk.
Pioche L.A.
Highland
White Cairn
Butte
Mt. Elenore
Little Salt L.
Paragonah
Parowan
White Mtn. N.
White Mtn. S.
Montezuma
Reveille
Mt. Irish
Hiko
Hebron
Cedar City
Brian Head
Pinto
Kanarraville
Clover Valley
Hawkins Pk.
Beaver Dam Wash
Pine Valley
Gunlock
Ash Cr.
Silver Reef
Springville Cr.
Mt. Carmel
Santa Clara R.
Virgin City
Rockville
Virgin River
St. George
Meadow Valley Wash
Mormon Pk.
Owen's River
Mt. King
Independence
Mt. Tyndall
Mt. Williamson
Mt. Whitney
Mt. Corcoran
Owens Lake
Keeler
Mancha Peak
Portersville
Kern River
Pahute Pk.
Mt. Bangs
Cedar Knoll
Kanab Cr.
Virgin Peak
Grand Wash
Diamond Butte
St. Thomas
Solitaire Butte
Mt. Trumbull
Mt. Logan
Mt. Emma
Charleston Pk.
Muddy Peak
Rioville
Mt. Dellenbaugh
Mt. Wilson
Ragged Pk.
Squaw Peak
Table Mt.
Mt. Perkins
Mt. Davis
Mt. Tipton
Yavapai
Truxton
Red L.
Mineral Park
Seligman
Peacock Peak
Picacho Bu.

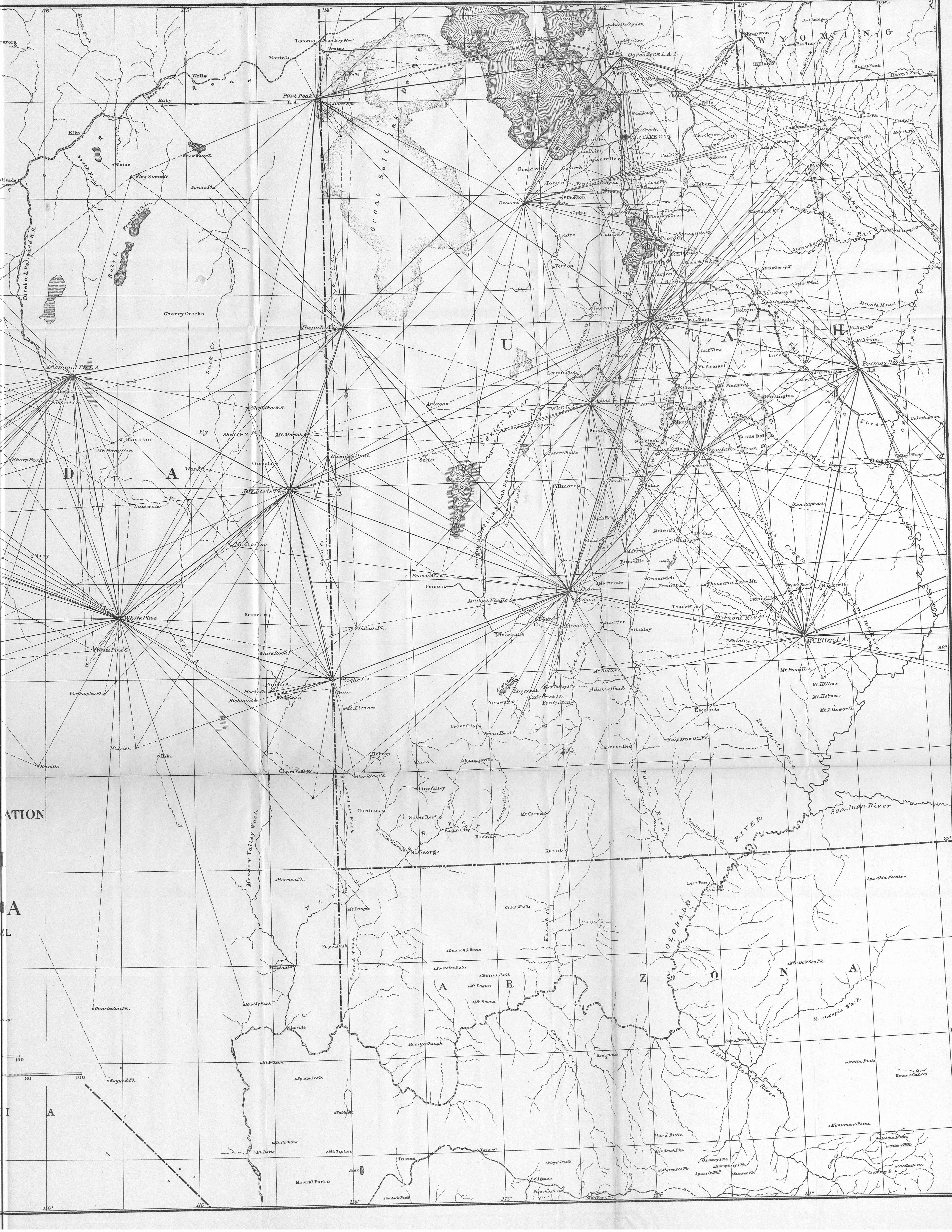
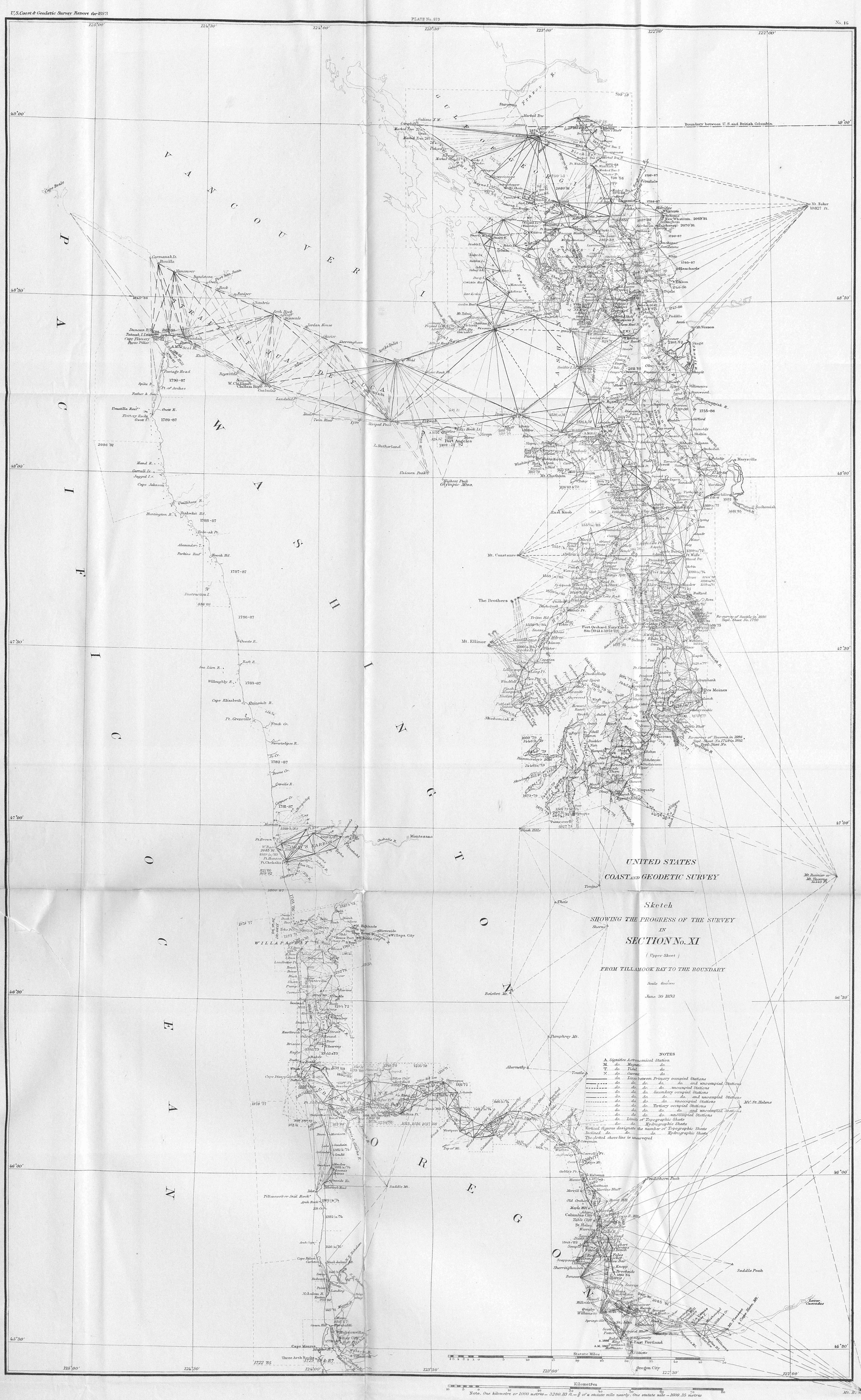
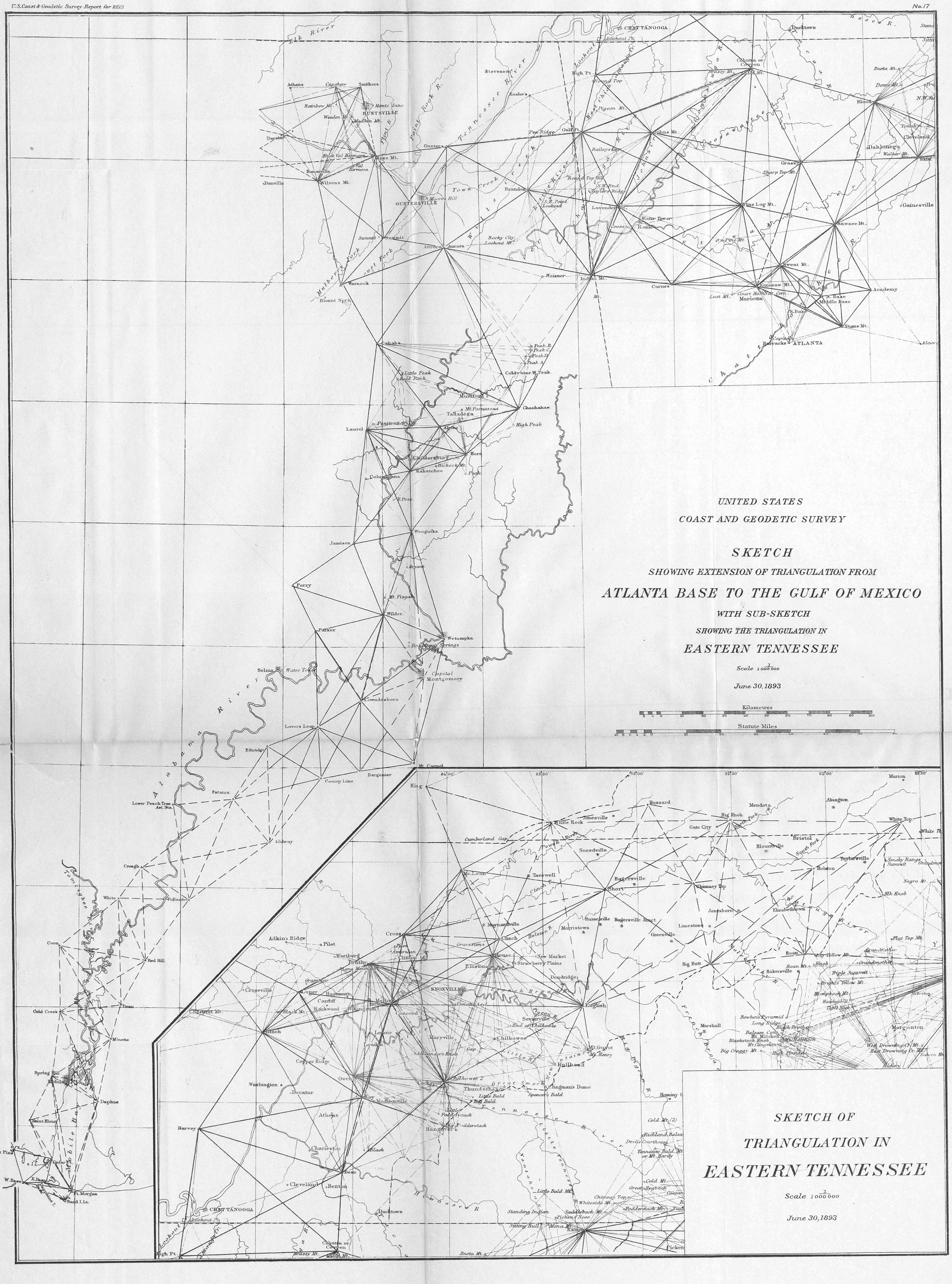

116°
115°
114°
113°
112°
111°
110°
41°
40°
39°
38°
37°
36°
WYOMING
UTAH
DA
ARIZONA
ATION
DA
EL
I A
Evanston
Fort Bridger
Piedmont
Hilliard
Burnt Fork
Henry's Fork
Smith's F.
Black Fork
Cottonwood Cr.
Echo Cr.
Union Pacific Railway
North Ogden
Ogden River
Ogden
Ogden Peak L.A.T.
Weber Riv.
Morgan
Farmington
Echo
Coalville
Bear River Bay
Promontory
L.A.
Gunnison I.
Strongs Knob
Fremont I.
Carington I.
Antelope
Stansbury I.
Great Salt Lake
Waddoup
City Creek
SALT LAKE CITY
Saltair
Lake Point
Taylorsville
Grantsville
Oquirrh
Sandy
Alta
Tooele
Bingham Canyon
Lone Pk.
Draper
Herriman
Stockton
Deseret
Rush Lake
Ophir
Provo
Timpanooga
American Fork
Pleasant Grove
Centre
Fairfield
Springville Pk.
Provo Cy.
Utah Lake
Springville
Spanish Fork
Spanish Fork Pk.
Vernon
Payson
Thistle
Goshen
Ironton
Cannon Cr.
Provo River
Heber
Park Cy.
Kamas
Rockport
Weber River
Bald Mtn.
Mt. Agassiz
La Motte Pk.
Gilbert Pk.
Wilson Pk.
Burro Pk.
Leidy Pk.
Marsh Pk.
Emmons Pk.
Pt. Carbon
Bear Cr.
East Cr.
Lake Cr.
Uintah River
Black Tail Mt.
Duchesne River
Strawberry Cr.
Strawberry N.
Gray Head
Rio Grande Western Railway
Strawberry S.
Indian Head
Minnie Maud Cr.
Colton
Mt. Nebo L.A.
Indiaola
Mt. Bartles
Mt. Bruin
Nephi
Fair View
Price
Patmos Head L.A.
Sunnyside
Mt. Pleasant
Curant Cr.
East Tintic Cr.
Cedars
Leamington
Juab
Chester
San Pete Riv.
Huntington
Huntington Cr.
Price River
Green River
Culmination
Scipio
Sarris
San Pete
Ephraim
Oak City
Manti
Cottonwood Cr.
Castle Dale
Deseret
Gunnison T.
Mayfield
Wasatch L.A.
Ferron Cr.
San Rafael River
Blake T.
Valley Knob
Mooseneah
R.G.W. Ry.
Tavant Butte
Lone Tree
Salina
Fillmore
Sevier River
Sevier Lake
Oregon Short Line & Utah Northern Railway
Beaver River
San Raphael
Richfield
Mt. Terrill
Mt. Alice
Mt. Hilgard
Elsinore
Monroe
Burrville
Fish L.
Saleratus Cr.
Curtis Creek
Greenwich
Marysvale
Fremont
Thousand Lake Mt.
White's Ranch
Hanksville
Tushar
Delano
Caineville
Thurber
Fremont River
Lewis Cr.
Frisco Mt.
Frisco
Milford Needle
Beaver T.
Birch Cr.
Junction
Oakley
Otter Cr.
Minersville
Tantalus Cr.
Mt. Ellen L.A.
Mt. Pennell
Mt. Hillers
Mt. Holmes
Mt. Ellsworth
West Fork
Mt. Dutton
East Fork
Little Salt L.
Paragonah
Bear Valley Pk.
Adams Head
Little Creek Pk.
Parowan
Panguitch
Escalante
Escalante Riv.
Brian Head
Kaiparowitz Pk.
Cannonville
Asays
Cedar City
Kanarraville
Pinto
Pine Valley
Ash Cr.
Springville Cr.
Gunlock
Silver Reef
Virgin City
Rockville
Virgin River
Santa Clara R.
St. George
Mt. Carmel
Kanab
Paria River
Sentinel Rock Cr.
San Juan River
Colorado River
Hebron
Hawkins Pk.
Clover Valley
Beaver Dam Wash
Tecoma
Boundary Mont.
Grassy
Montello
Butte
Pilot Peak L.A.
Willow Spr.
Wells
East Fork
Ruby
Rail Road
North Fork
Elko
South Fork
Blaine
Snow Water L.
King Summit
Spruce Pks.
Palisade
Eureka & Palisade R.R.
Franklin L.
Ruby L.
Great Salt Lake Desert
Deep Cr.
Cherry Creek
Ibepuh A.L.
Duck Cr.
Diamond Pk. L.A.
Eureka T.
Prospect Pk.
Antelope
Shell Creek N.
Ely
Shell Cr. S.
Mt. Moriah
Hamilton
Mt. Hamilton
Boundary Mont.
Sevier
Sharp Peak
Osceola
Ward
Jeff Davis Pk.
Duckwater
Mt. Grafton
Lake Cr.
Morey
Troy
White Pine
Bristol
Indian Pk.
White R.
White Pine S.
White Rock
Pioche L.A.
Pioche A.
Pioche Pk.
White Cairn
Highland
Butte
Mt. Elenore
Worthington Pk.
Mt. Irish
Hiko
Reveille
Meadow Valley Wash
Mormon Pk.
Mt. Bangs
Virgin Peak
Grand Wash
St. Thomas
Muddy Peak
Charleston Pk.
Rioville
Mt. Wilson
Squaw Peak
Ragged Pk.
Table Mt.
Mt. Perkins
Mt. Davis
Mt. Tipton
Red L.
Mineral Park
Truxton
Yavapai
Peacock Peak
Diamond Butte
Solitaire Butte
Mt. Trumbull
Mt. Logan
Mt. Emma
Mt. Dellenbaugh
Cedar Knolls
Kanab Cr.
Lee's Ferry
Echo Pk.
Aga-thia Needle
Nio Doit Soe Pk.
Moencopie Wash
Cataract Creek
Red Butte
Lava Butte
Little Colorado River
Oraibi Butte
Keam's Cañon
Monument Point
Moqui Buttes
Pottery Hill
Corn Cr.
Castle Butte
Chimney B.
Mesa Butte
Kendrick Pk.
O Leary Pk.
Humphrey's Pk.
Sitgreaves Pk.
Agassiz Pk.
Sunset Pk.
Floyd Peak
Seligman
Picacho Butte
Ash Fork
100
80
100

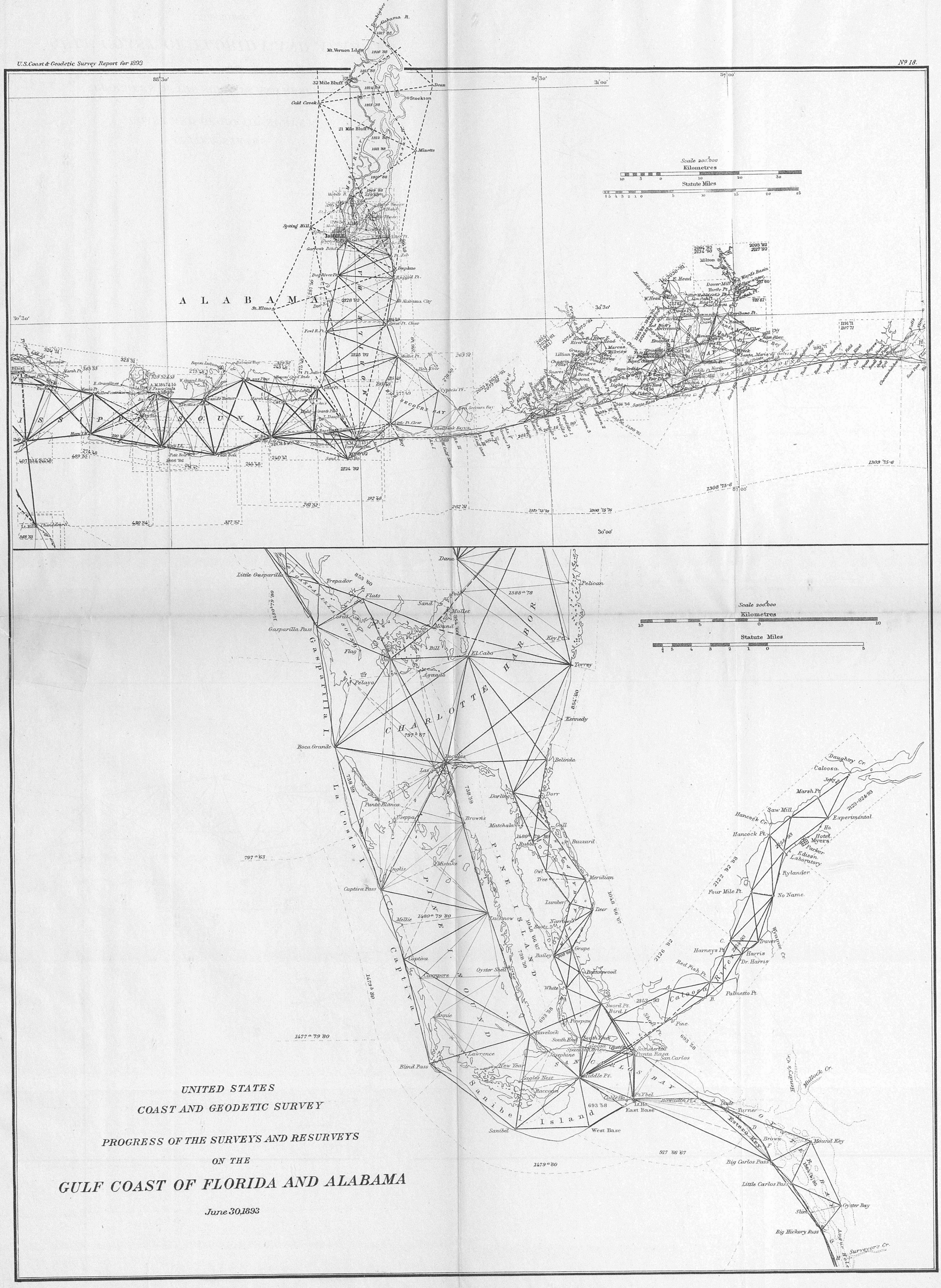
PLATE No. 2321

No. 15

UNITED STATES
COAST AND GEODETIC SURVEY
TRIANGULATION
Scale 1/1000000
Kilometres
Statute Miles
NOTE
Signifies lines between occupied Stations
and unoccupied Stations
unoccupied Stations
PACIFIC OCEAN
CALIFORNIA
SAN FRANCISCO
Sacramento
Stockton
Oakland
Marysville
Tulare Lake
Lake Tahoe
SANTA BARBARA CHANNEL
Santa Cruz I.
Santa Rosa I.
San Miguel I.
San Nicolas I.
40°
39°
38°
37°
36°
35°
34°
33°
124°
123°
122°
121°
120°


UNITED STATES
COAST AND GEODETIC SURVEY
Sketch
SHOWING THE PROGRESS OF THE SURVEY
IN
SECTION No. XI
(Upper Sheet)
FROM TILLAMOOK BAY TO THE BOUNDARY
Scale 600/000
June 30 1893
NOTES
A. Signifies Astronomical Station
M. ...do... Magnetic ...do...
T. ...do... Tidal ...do...
X ...do... Current ...do...
...do... Lines between Primary occupied Stations
...do...do...do...do...do...and unoccupied Stations
...do...do...do...do...unoccupied Stations
...do...do...do...Secondary occupied Stations
...do...do...do...do...and unoccupied Stations
...do...do...do...do...unoccupied Stations
...do...do...do...do...do...and unoccupied Stations
...do...Limits of Topographic Sheets
...do...do...Hydrographic Sheets
Vertical figures designate the number of Topographic Sheets
Inclined ...do...do...do...Hydrographic Sheets
The dotted shore line is unsurveyed
Boundary between U.S. and British Columbia
Statute Miles
Kilometres
Note. One kilometre or 1000 metres = 3280.83 ft. = 5/8 of a statute mile nearly. One statute mile = 1609.35 metres


UNITED STATES
COAST AND GEODETIC SURVEY
SKETCH
SHOWING EXTENSION OF TRIANGULATION FROM
ATLANTA BASE TO THE GULF OF MEXICO
WITH SUB-SKETCH
SHOWING THE TRIANGULATION IN
EASTERN TENNESSEE
Scale 1/1000000
June 30, 1893
Kilometres
Statute Miles
SKETCH OF
TRIANGULATION IN
EASTERN TENNESSEE
Scale 1/1000000
June 30, 1893
CHATTANOOGA
HUNTSVILLE
GUNTERSVILLE
KNOXVILLE
ATLANTA
Rome
Marietta
Gainesville
Mobile Bay
Alabama River
Tennessee River
Cumberland Gap

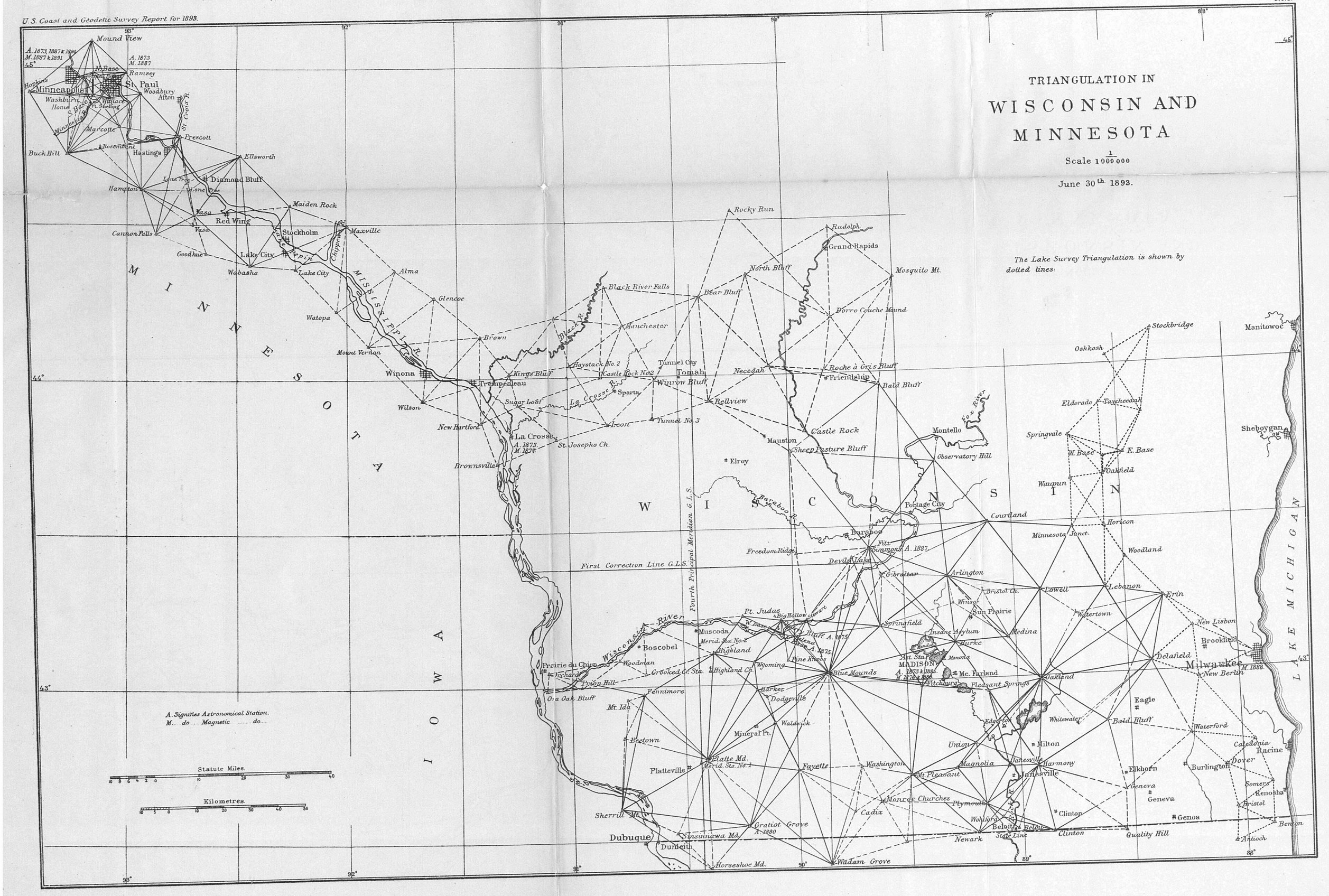


UNITED STATES
COAST AND GEODETIC SURVEY

PROGRESS OF THE SURVEYS AND RESURVEYS
ON THE

GULF COAST OF FLORIDA AND ALABAMA

June 30, 1893


TRIANGULATION IN
WISCONSIN AND
MINNESOTA
Scale 1/1000000
June 30th 1893.
The Lake Survey Triangulation is shown by dotted lines:
A. Signifies Astronomical Station.
M. do Magnetic do
Statute Miles.
Kilometres.
MINNESOTA
IOWA
WISCONSIN
LAKE MICHIGAN
MISSISSIPPI R.
Wisconsin River
Fox River
Baraboo R.
Black R.
Chippewa R.
St. Croix R.
Fourth Principal Meridian G.L.S.
First Correction Line G.L.S.
Mound View
Ramsey
St. Paul
Minneapolis
Hopkins
Washburn
Home
Wallace
Ft. Snelling
Woodbury
Afton
Marcotte
Prescott
Buck Hill
Rosemount
Hastings
Ellsworth
Diamond Bluff
Hampton
Lone Tree
Maiden Rock
Vasa
Red Wing
Cannon Falls
Stockholm
Maxville
Goodhue
Lake City
Wabasha
Alma
Glencoe
Watopa
Mount Vernon
Brown
Winona
Trempealeau
Kings Bluff
Wilson
New Hartford
La Crosse
Brownsville
Sugar Loaf
Haystack No. 2
Castle Rock No. 2
Sparta
Leon
Tunnel No. 3
Tunnel City
Tomah
Winrow Bluff
Rellview
Black River Falls
Manchester
Bear Bluff
North Bluff
Rocky Run
Rudolph
Grand Rapids
Mosquito Mt.
Dorro Couche Mound
Necedah
Roche à Gris Bluff
Friendship
Bald Bluff
Castle Rock
Mauston
Sheep Pasture Bluff
Elroy
Montello
Observatory Hill
Portage City
Baraboo
Fitz Simmons A. 1887
Freedom Ridge
Devils Lake
Gibraltar
Courtland
Arlington
Bristol Ch.
Lowell
Lebanon
Erin
Winsor
Sun Prairie
Springfield
Insane Asylum
Burke
Medina
Pt. Judas
Big Hollow
Stewart
Muscoda
Merid. Sta. No. 2
Highland
Boscobel
Prairie du Chien
Orchard
Prion Hill
Ora Oak Bluff
Woodman
Grooked Cr. Sta.
Highland Ch.
Wyoming
Pine Knobs
Blue Mounds
Harker
Dodgeville
Fennimore
Mt. Ida
Waldwick
Mineral Pt.
Beetown
Platte Md.
Merid. Sta. No. 1
Platteville
Fayette
Washington
Mt. Pleasant
Monroe Churches
Cadix
Sherrill Mt.
Dubuque
Dunleith
Sinsinnawa Md.
Horseshoe Md.
Gratiot Grove
A. 1880
Wadam Grove
Newark
Plymouth
Wohlford
Beloit
State Line
Clinton
Quality Hill
Genoa
Geneva
Elkhorn
Burlington
Dover
Caledonia
Racine
Waterford
Bald Bluff
Eagle
Whitewater
Edgerton
Union
Milton
Magnolia
Janesville
Harmony
Oakland
Mc. Farland
Pleasant Springs
Fitchburg
Monona
Ast. Sta.
MADISON
A. 1873 & 1885
M. 1876 & 1886
Delafield
Milwaukee
M. 1888
New Berlin
Brookfield
New Lisbon
Watertown
Lebanon
Woodland
Minnesota Junct.
Horicon
Waupun
Oakfield
E. Base
W. Base
Springvale
Eldorado
Taycheedah
Oshkosh
Stockbridge
Manitowoc
Sheboygan
Antioch
Benton
Bristol
Kenosha
Somers
Dover
Burlington
Elkhorn
Geneva
Clinton
Newark
Wadam Grove
Horseshoe Md.
Dunleith
Sherrill Mt.
Platteville
Platte Md.
Merid. Sta. No. 1
Beetown
Mt. Ida
Fennimore
Prairie du Chien
Orchard
Prion Hill
Ora Oak Bluff
Boscobel
Muscoda
Highland
Wyoming
Pine Knobs
Blue Mounds
Harker
Dodgeville
Waldwick
Mineral Pt.
Fayette
Washington
Mt. Pleasant
Monroe Churches
Cadix
Plymouth
Wohlford
Beloit
Clinton
Quality Hill
Genoa
Bristol
Kenosha
Somers
Dover
Burlington
Racine
Caledonia
Waterford
Bald Bluff
Eagle
Whitewater
Edgerton
Milton
Janesville
Harmony
Magnolia
Union
Oakland
Mc. Farland
Fitchburg
Pleasant Springs
Monona
Ast. Sta.
MADISON
A. 1873 & 1885
M. 1876 & 1886
Burke
Insane Asylum
Medina
Sun Prairie
Winsor
Springfield
Bristol Ch.
Lowell
Lebanon
Erin
Watertown
Woodland
Minnesota Junct.
Horicon
Waupun
Oakfield
E. Base
W. Base
Springvale
Eldorado
Taycheedah
Oshkosh
Stockbridge
Manitowoc
Sheboygan
Courtland
Portage City
Baraboo
Fitz Simmons A. 1887
Devils Lake
Gibraltar
Arlington
Fox River
Montello
Rocky Run
Rudolph
Grand Rapids
Mosquito Mt.
Dorro Couche Mound
Necedah
Roche à Gris Bluff
Friendship
Bald Bluff
Castle Rock
Mauston
Sheep Pasture Bluff
Elroy
Rellview
Tomah
Winrow Bluff
Tunnel City
Haystack No. 2
Castle Rock No. 2
Sparta
Black River Falls
Manchester
Bear Bluff
North Bluff
Black R.
Chippewa R.
Lake Pepin
Lake City
Wabasha
Goodhue
Cannon Falls
Vasa
Hampton
Diamond Bluff
Lone Tree
Hastings
Rosemount
Buck Hill
Marcotte
Prescott
Ellsworth
Maiden Rock
Stockholm
Maxville
Alma
Glencoe
Brown
Kings Bluff
Trempealeau
Sugar Loaf
La Crosse R.
Leon
Tunnel No. 3
St. Josephs Ch.
Brownsville
Wilson
Winona
Mount Vernon
Watopa
Hopkins
Minneapolis
Washburn
Home
Wallace
Ft. Snelling
Ramsey
St. Paul
Woodbury
Afton
Ramsey
Mound View
A. 1873, 1887 & 1890
M. 1887 & 1891
A. 1873
M. 1887
45°
44°
43°
93°
92°
91°
90°
89°
88°