

South Dakota State University  
**Open PRAIRIE: Open Public Research Access Institutional  
Repository and Information Exchange**

---

Agricultural Experiment Station Agricultural  
Economics Pamphlets

SDSU Agricultural Experiment Station

---

3-1-1957

# Graphic Presentation of Weekly Mean Maximum and Mean Minimum Temperatures for 58 South Dakota Weather Stations for Each Week of the Year

Ray F. Pengra

Follow this and additional works at: [http://openprairie.sdstate.edu/agexperimentsta\\_ageconomics](http://openprairie.sdstate.edu/agexperimentsta_ageconomics)

 Part of the [Agricultural Economics Commons](#)

---

## Recommended Citation

Pengra, Ray F., "Graphic Presentation of Weekly Mean Maximum and Mean Minimum Temperatures for 58 South Dakota Weather Stations for Each Week of the Year" (1957). *Agricultural Experiment Station Agricultural Economics Pamphlets*. 191.  
[http://openprairie.sdstate.edu/agexperimentsta\\_ageconomics/191](http://openprairie.sdstate.edu/agexperimentsta_ageconomics/191)

This Pamphlet is brought to you for free and open access by the SDSU Agricultural Experiment Station at Open PRAIRIE: Open Public Research Access Institutional Repository and Information Exchange. It has been accepted for inclusion in Agricultural Experiment Station Agricultural Economics Pamphlets by an authorized administrator of Open PRAIRIE: Open Public Research Access Institutional Repository and Information Exchange. For more information, please contact [michael.biondo@sdstate.edu](mailto:michael.biondo@sdstate.edu).

GRAPHIC PRESENTATION OF WEEKLY MEAN MAXIMUM AND  
MEAN MINIMUM TEMPERATURES FOR 58 SOUTH DAKOTA  
WEATHER STATIONS FOR EACH WEEK OF THE YEAR

Prepared by

Ray F. Pengra

Department of Economics  
South Dakota State College  
Agricultural Experiment Station  
Brookings, South Dakota

630.7  
S087.02  
No. 84  
C.2

#### ACKNOWLEDGMENT

This report was made possible as a result of the cooperative project by the South Dakota Agricultural Experiment Station, the U. S. Weather Bureau and the U. S. Reclamation Service to place South Dakota Weather data on I.B.M. punch cards.

## INTRODUCTION

Average temperatures are presented graphically by weeks in order to emphasize the changes in temperatures from north to south over the state.

Since farming operations, to be efficient, must be planned to take into consideration probable local conditions of weather and length of the season this should be useful in helping the farmers plan their farming program as well as do scientists in developing farm crops best adapted to each locality of the state.

The climatological year has been considered as from March 1 through February 28 or 29 of the following calendar year in order to present data for identical calendar days for each week for each year. As a result the first seven days of March are considered as week 1. Week 44 includes data for December 27 through January 2 of the following calendar year. Starting with week 45 the data are therefore presented to correspond approximately with the calendar year.

On the following pages is a list of the stations for which data were used together with the number of years data were available for each station. Week numbers together with their calendar dates are also presented in order to more readily indicate the calendar dates covered by each weekly chart.

Week Numbers with Inclusive Dates

Week Number	Beginning Date	Ending Date	Week Number	Beginning Date	Ending Date
01	Mar. 1	Mar. 7	28	Sept. 6	Sept. 12
02	Mar. 8	Mar. 14	29	Sept. 13	Sept. 19
03	Mar. 15	Mar. 21	30	Sept. 20	Sept. 26
04	Mar. 22	Mar. 28	31	Sept. 27	Oct. 3
05	Mar. 29	Apr. 4	32	Oct. 4	Oct. 10
06	Apr. 5	Apr. 11	33	Oct. 11	Oct. 17
07	Apr. 12	Apr. 18	34	Oct. 18	Oct. 24
08	Apr. 19	Apr. 25	35	Oct. 25	Oct. 31
09	Apr. 26	May 2	36	Nov. 1	Nov. 7
10	May 3	May 9	37	Nov. 8	Nov. 14
11	May 10	May 16	38	Nov. 15	Nov. 21
12	May 17	May 23	39	Nov. 22	Nov. 28
13	May 24	May 30	40	Nov. 29	Dec. 5
14	May 31	June 6	41	Dec. 6	Dec. 12
15	June 7	June 13	42	Dec. 13	Dec. 19
16	June 14	June 20	43	Dec. 20	Dec. 26
17	June 21	June 27	44	Dec. 27	Jan. 2
18	June 28	July 4	45	Jan. 3	Jan. 9
19	July 5	July 11	46	Jan. 10	Jan. 16
20	July 12	July 18	47	Jan. 17	Jan. 23
21	July 19	July 25	48	Jan. 24	Jan. 30
22	July 26	Aug. 1	49	Jan. 31	Feb. 6
23	Aug. 2	Aug. 8	50	Feb. 7	Feb. 13
24	Aug. 9	Aug. 15	51	Feb. 14	Feb. 20
25	Aug. 16	Aug. 22	52	Feb. 21	Feb. 27
26	Aug. 23	Aug. 29	53	Feb. 28	Feb. 29
27	Aug. 30	Sept. 5			

## WEEKLY SUMMARY OF WEATHER DATA

Station	Census Area	Alpha Number	County	Year	
				Start	End
Aberdeen	22	0020	Brown	1896	1955
Academy	32	0043	Charles Mix	1898	1955
Armour	32	0296	Douglas	1896	1955
Britton	22	1049	Marshall	1913	1955
Brookings	41	1076	Brookings	1893	1955
Camp Crook	10	1294	Harding	1896	1955
Centerville	42	1579	Turner	1908	1955
Clark	22	1739	Clark	1896	1955
Cottonwood	10	1972	Jackson	1909	1955
Custer	10	2087	Custer	1942	1955
Dupree	10	2429	Ziebach	1922	1955
Eureka	21	2797	McPherson	1908	1955
Fairfax	31	2820	Gregory	1903	1955
Faith	10	2852	Meade	1926	1955
Faulkton	21	2927	Faulk	1896	1955
Forestburg	32	3029	Sanborn	1896	1955
Gann Valley	31	3217	Buffalo	1918	1955
Gregory	31	3452	Gregory	1930	1955
Highmore	21	3832	Hyde	1896	1955
Hot Spring	10	4007	Fall River	1897	1955
Howard	32	4037	Miner	1896	1955
Huron	22	4127	Beadle	1881	1955
Kennebec	10	4516	Lyman	1906	1955

## WEEKLY SUMMARY OF WEATHER DATA

Station	Census Area	Alpha Number	County	Year	
				Start	End
Lead	10	4834	Lawrence	1909	1955
Lemmon	10	4864	Perkins	1920	1955
Long Valley	10	4983	Washabaugh	1927	1955
Marion	42	5228	Turner	1901	1955
Martin	10	5281	Bennett	1937	1955
McIntosh	10	5381	Corson	1915	1955
Mellette	22	5456	Spink	1897	1955
Menno	32	5481	Hutchinson	1896	1955
Milbank	41	5536	Grant	1893	1955
Miller	21	5561	Hand	1902	1955
Mitchell	32	5671	Davison	1896	1955
Mobridge	21	5691	Walworth	1926	1955
Murdo	10	5891	Jones	1920	1955
Newell	10	6054	Butte	1920	1955
Oelrichs	10	6212	Fall River	1896	1955
Pierre	21	6597	Hughes	1892	1955
Pine Ridge	10	6612	Shannon	1933	1955
Polloch	21	6712	Campbell	1920	1955
Rapid City	10	6937	Pennington	1889	1955
Redfield	22	7047	Spink	1898	1955
Redig	10	7062	Harding	1920	1955
Sioux Falls	42	7667	Minnehaha	1896	1955
Sisseton	41	7742	Roberts	1931	1955

## WEEKLY SUMMARY OF WEATHER DATA

Station	Census Area	Alpha Number	County	Year	
				Start	End
Spearfish	10	7882	Lawrence	1897	1955
Timber Lake	10	8307	Dewey	1926	1955
Tyndall	32	8472	Bon Homme	1911	1955
Vale	10	8552	Butte	1920	1955
Vermillion	42	8622	Clay	1901	1955
Vivian	10	8727	Lyman	1920	1955
Watertown	41	8932	Codington	1896	1955
Wentworth	42	9042	Lake	1896	1955
White Lake	31	9232	Aurora	1920	1955
Winner	31	9367	Tripp	1925	1955
Wood	10	9442	Mellette	1920	1955
Yankton	42	9502	Yankton	1881	1955

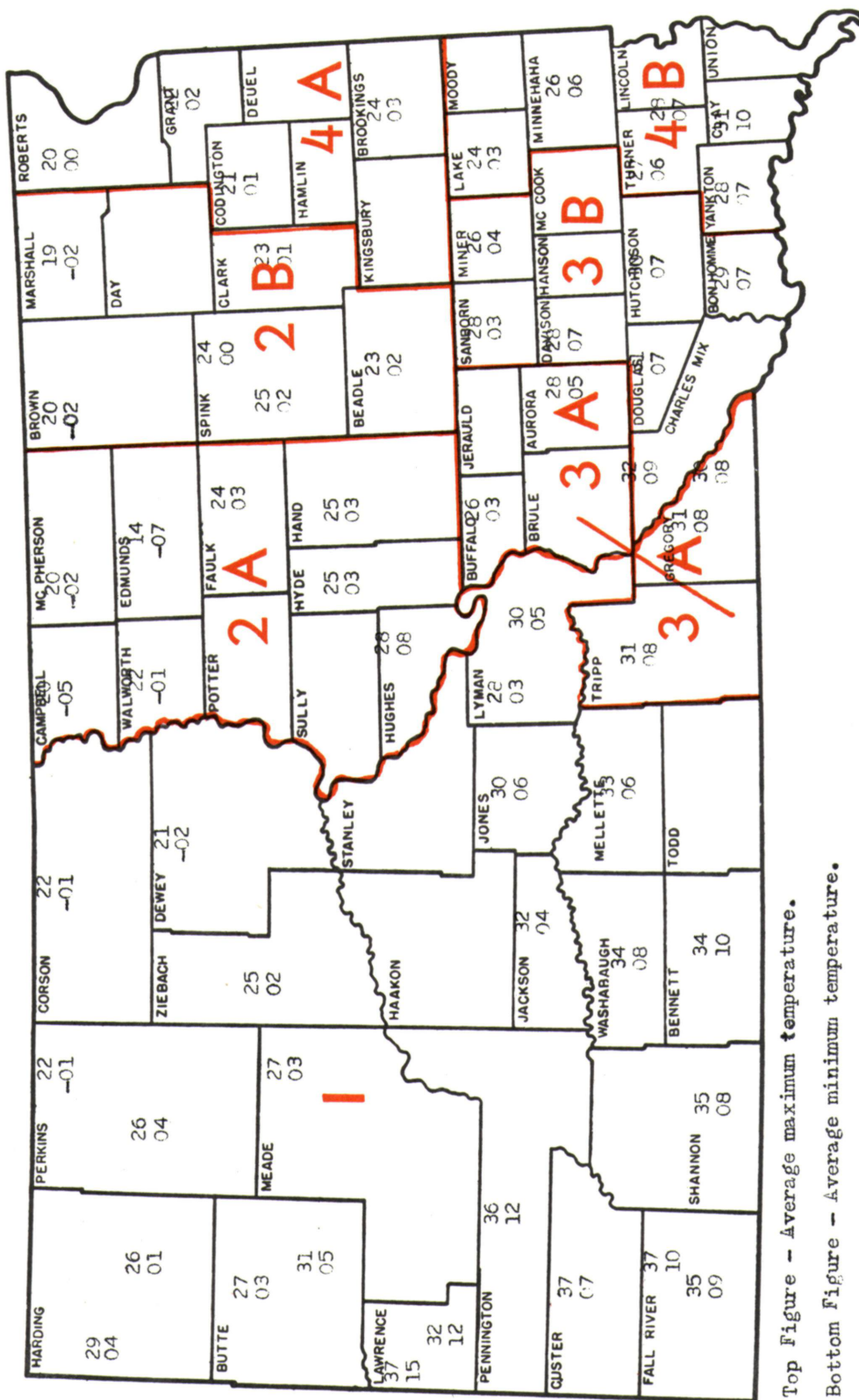






Average Maximum and Average Minimum Temperature

South Dakota  
Week 47



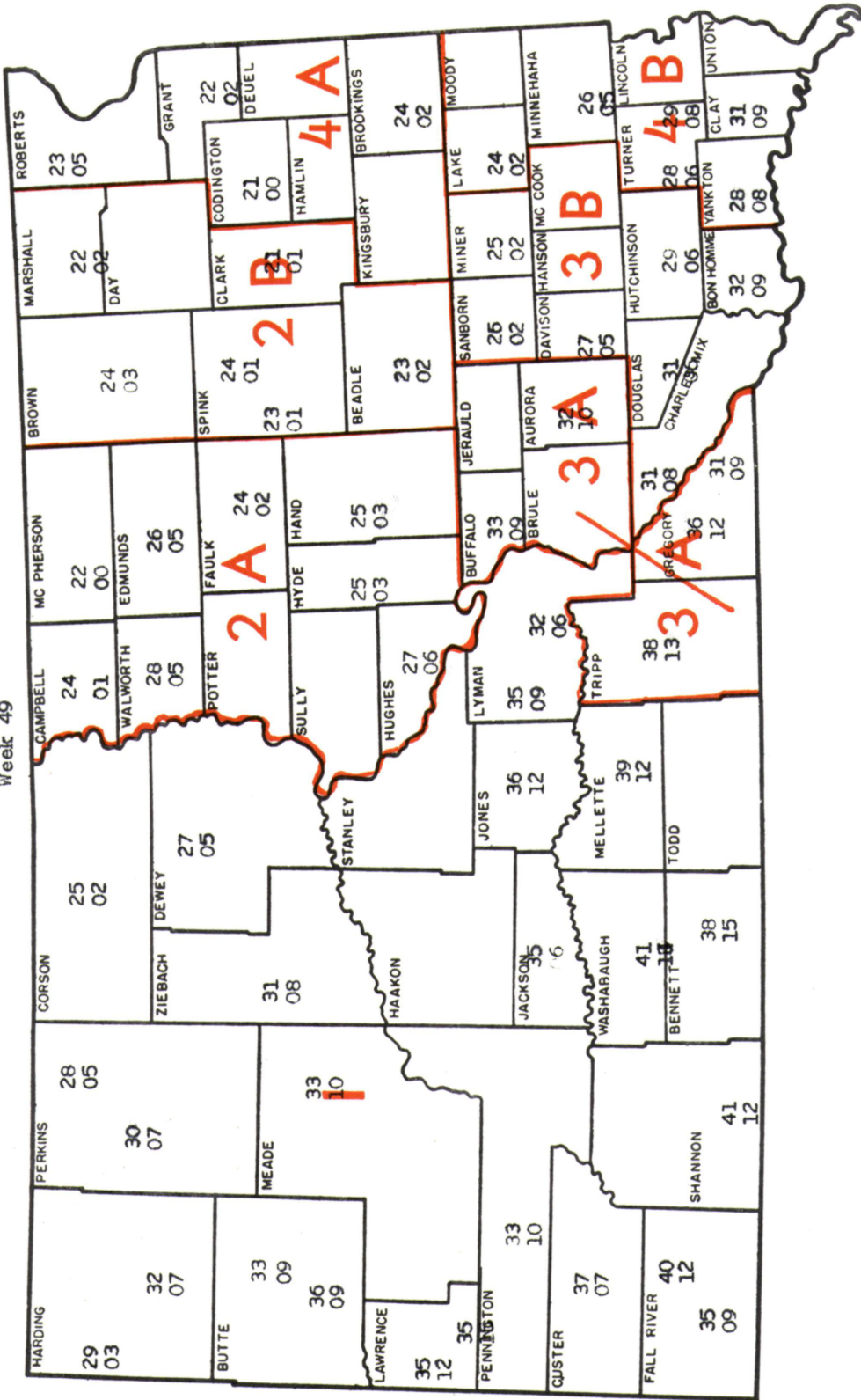
Top Figure - Average maximum temperature.

Bottom Figure - Average minimum temperature.



Average Maximum and Average Minimum Temperature

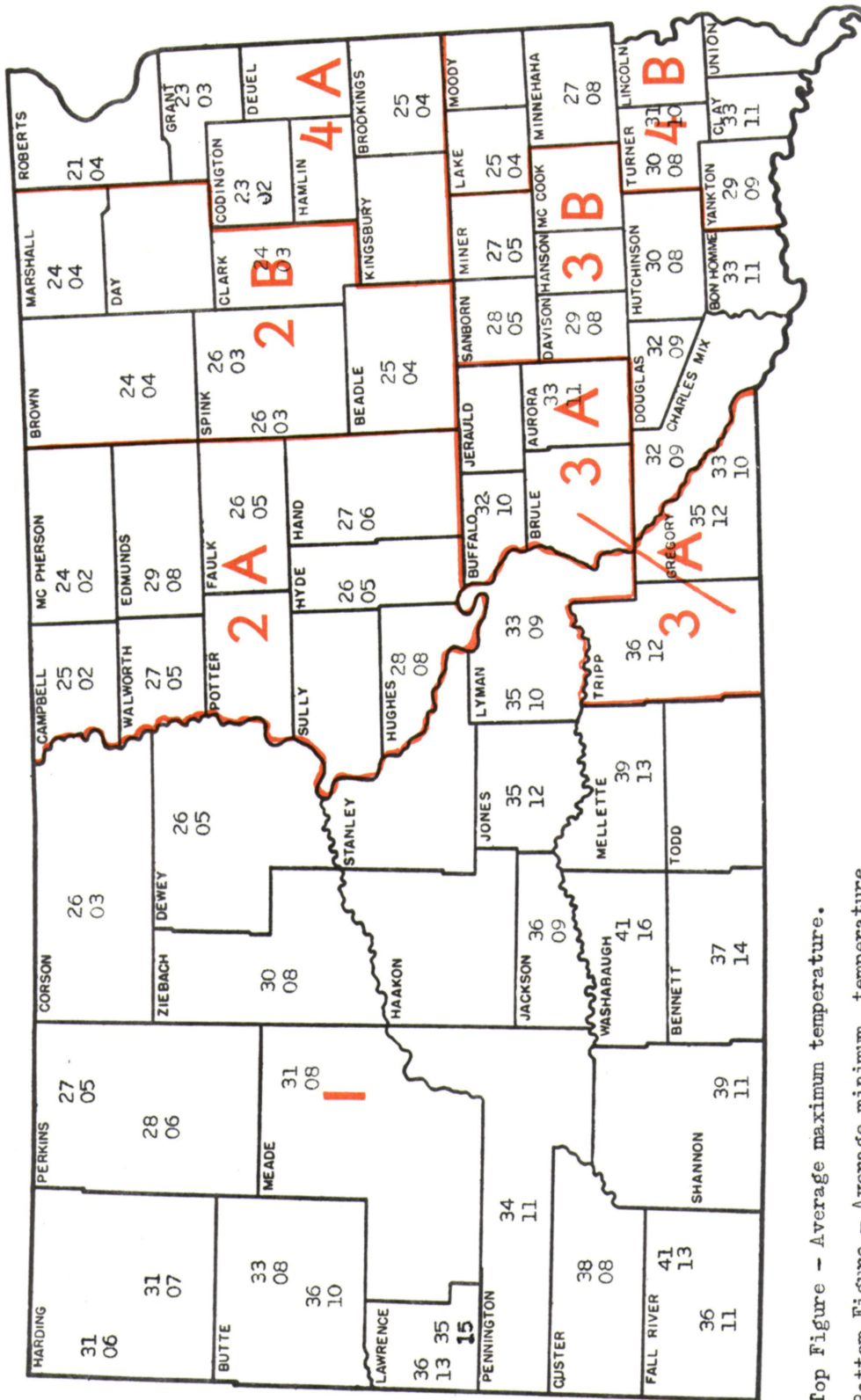
South Dakota  
Week 49



# Average Maximum and Average Minimum Temperature

South Dakota

Week 50



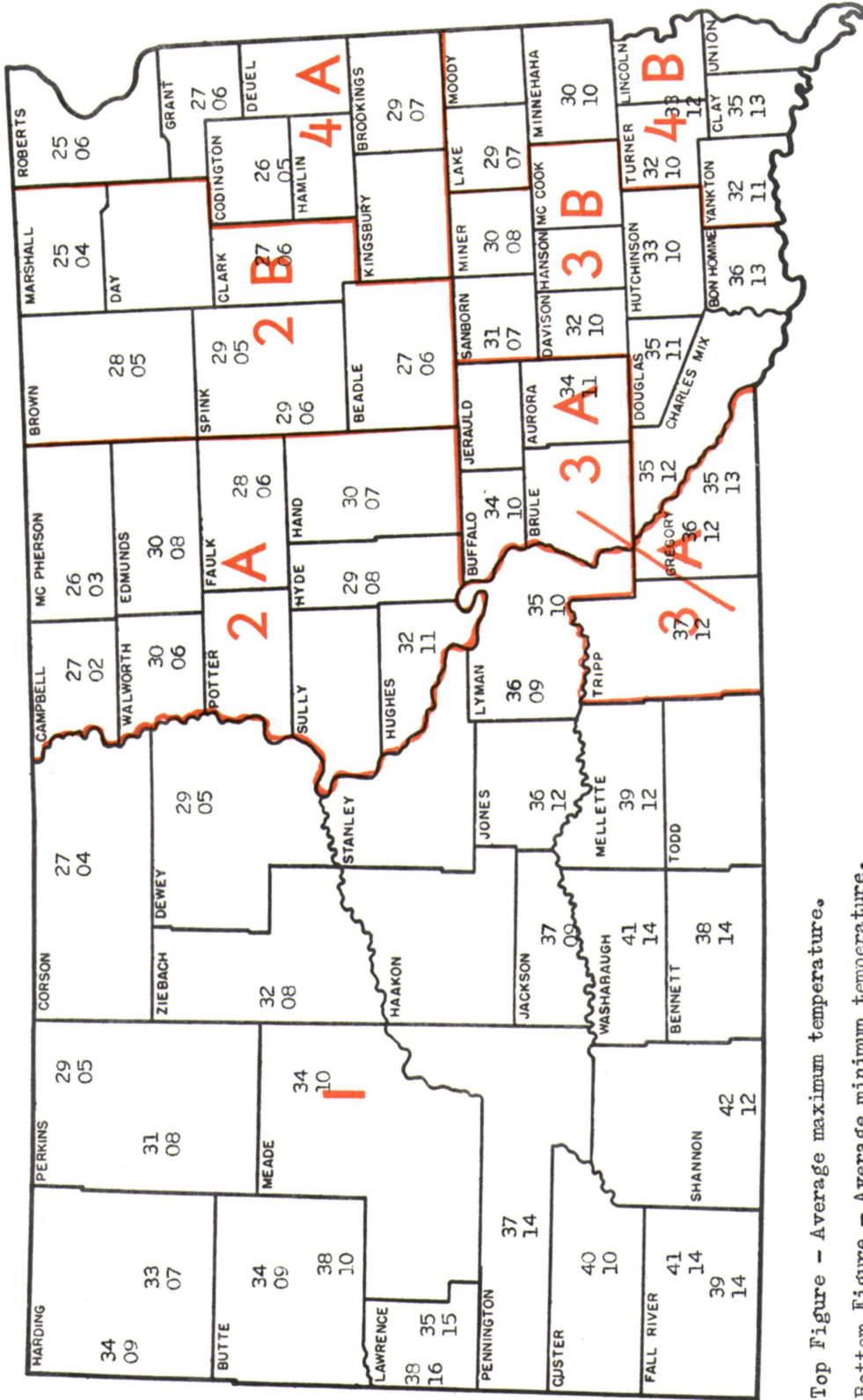
Top Figure - Average maximum temperature.

Bottom Figure - Average minimum temperature

Average Maximum and Average Minimum Temperature

South Dakota

Week 51



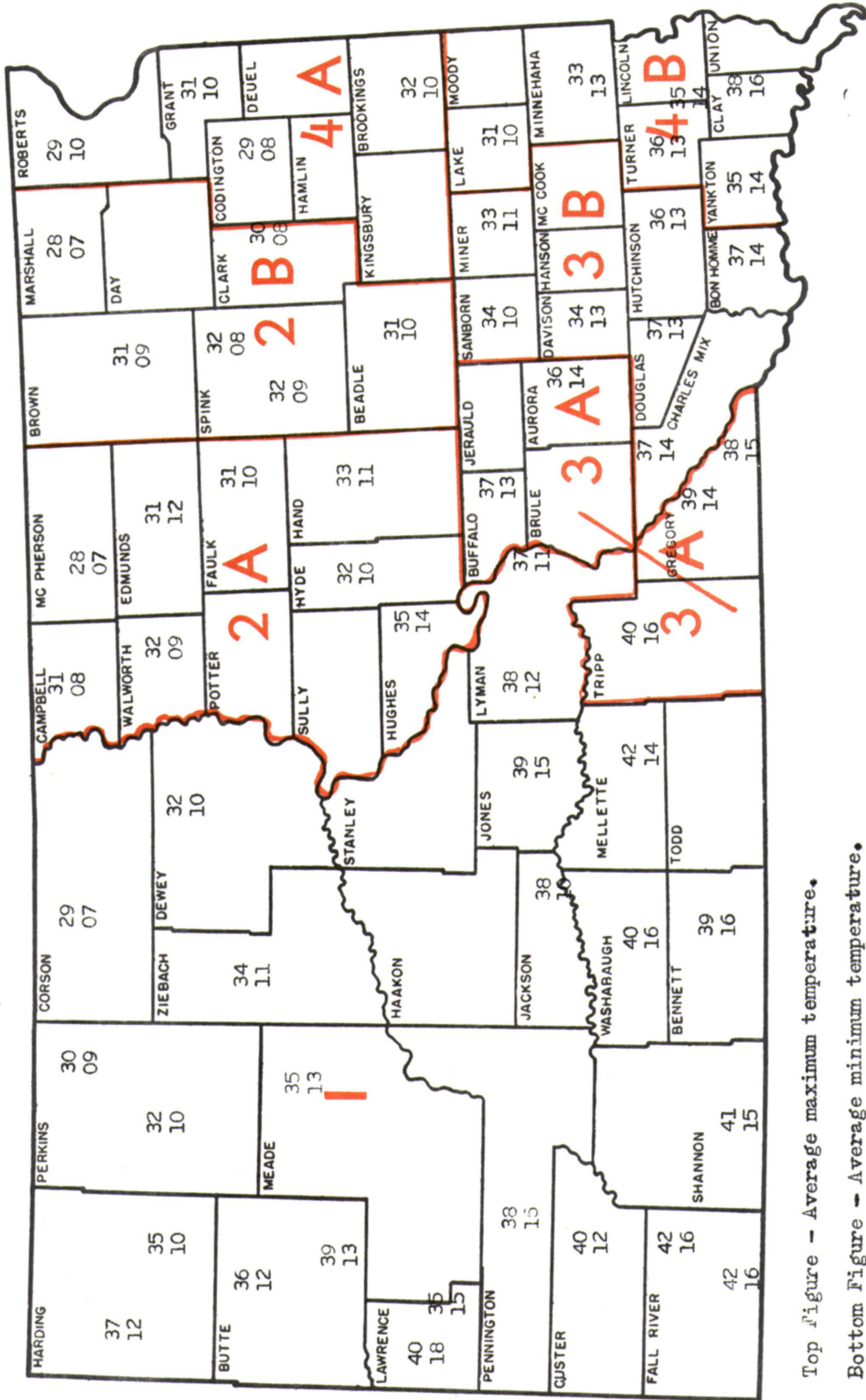
Top Figure - Average maximum temperature.

Bottom Figure - Average minimum temperature.

Average Maximum and Average Minimum Temperature

South Dakota

Week 52



Top Figure - Average maximum temperature.  
 Bottom Figure - Average minimum temperature.



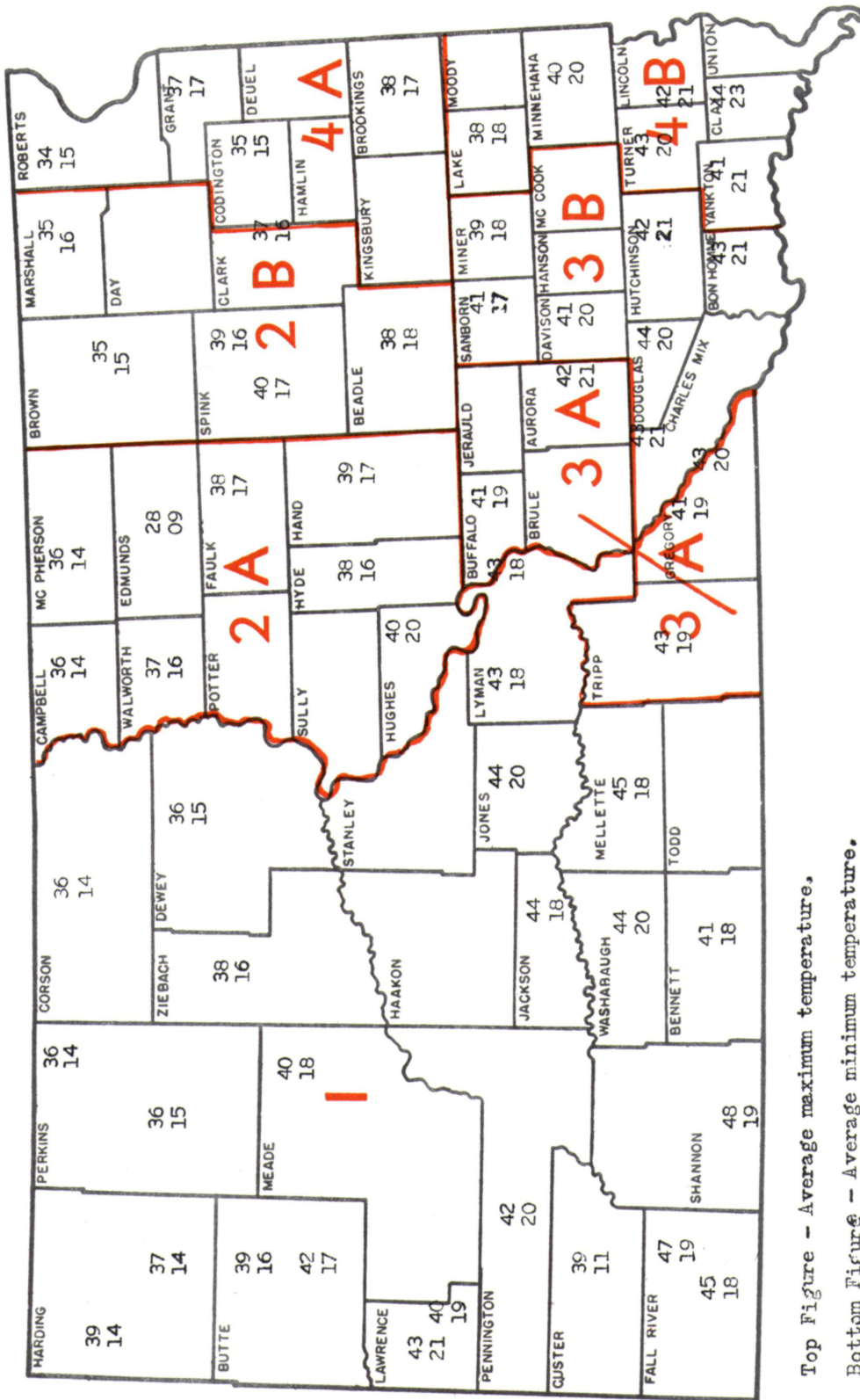




Average Maximum and Average Minimum Temperature

South Dakota

Week 2



Top Figure - Average maximum temperature.

Bottom Figure - Average minimum temperature.















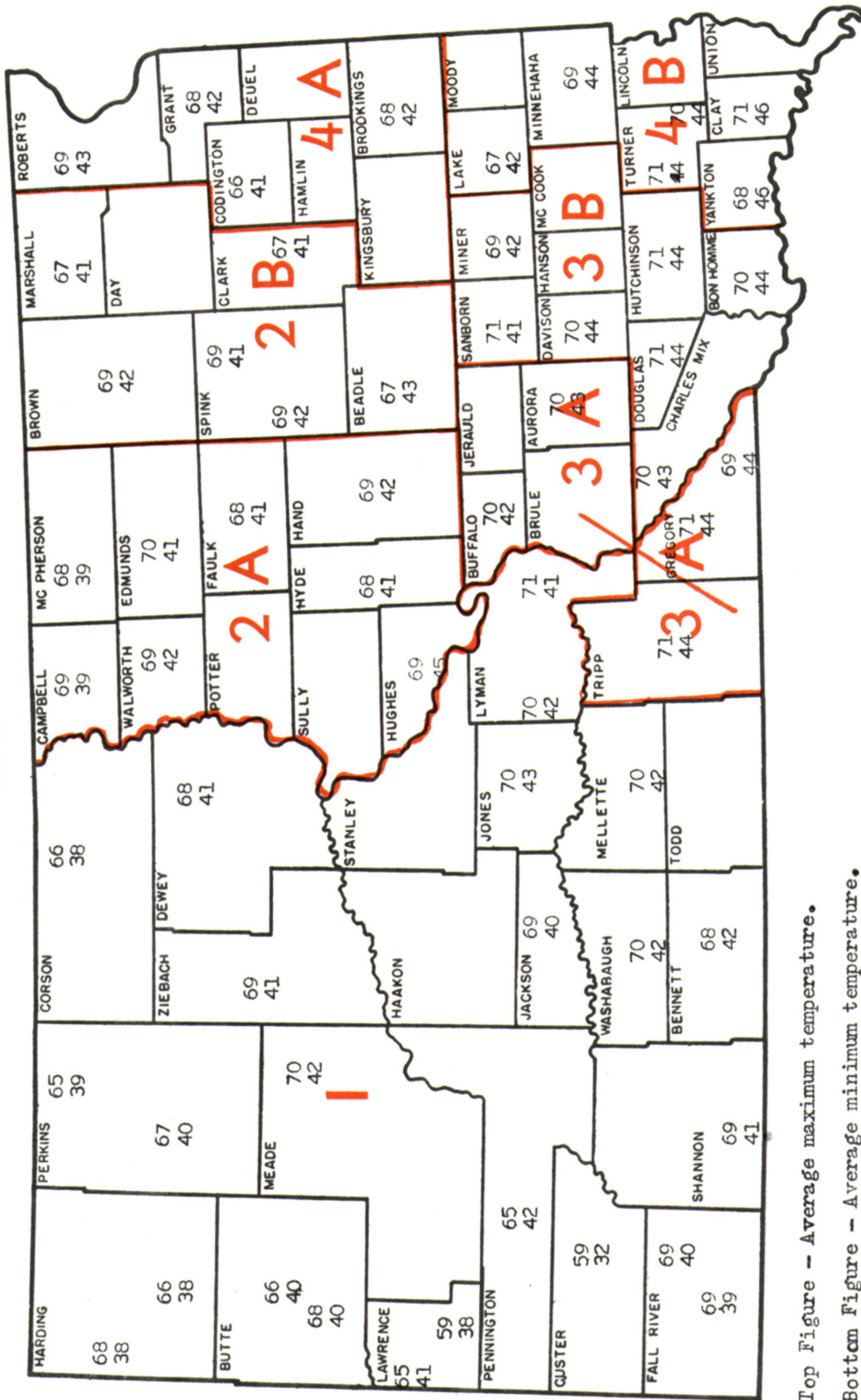




Average Maximum and Average Minimum Temperature

South Dakota

Week 11



Top Figure - Average maximum temperature.

Bottom Figure - Average minimum temperature.



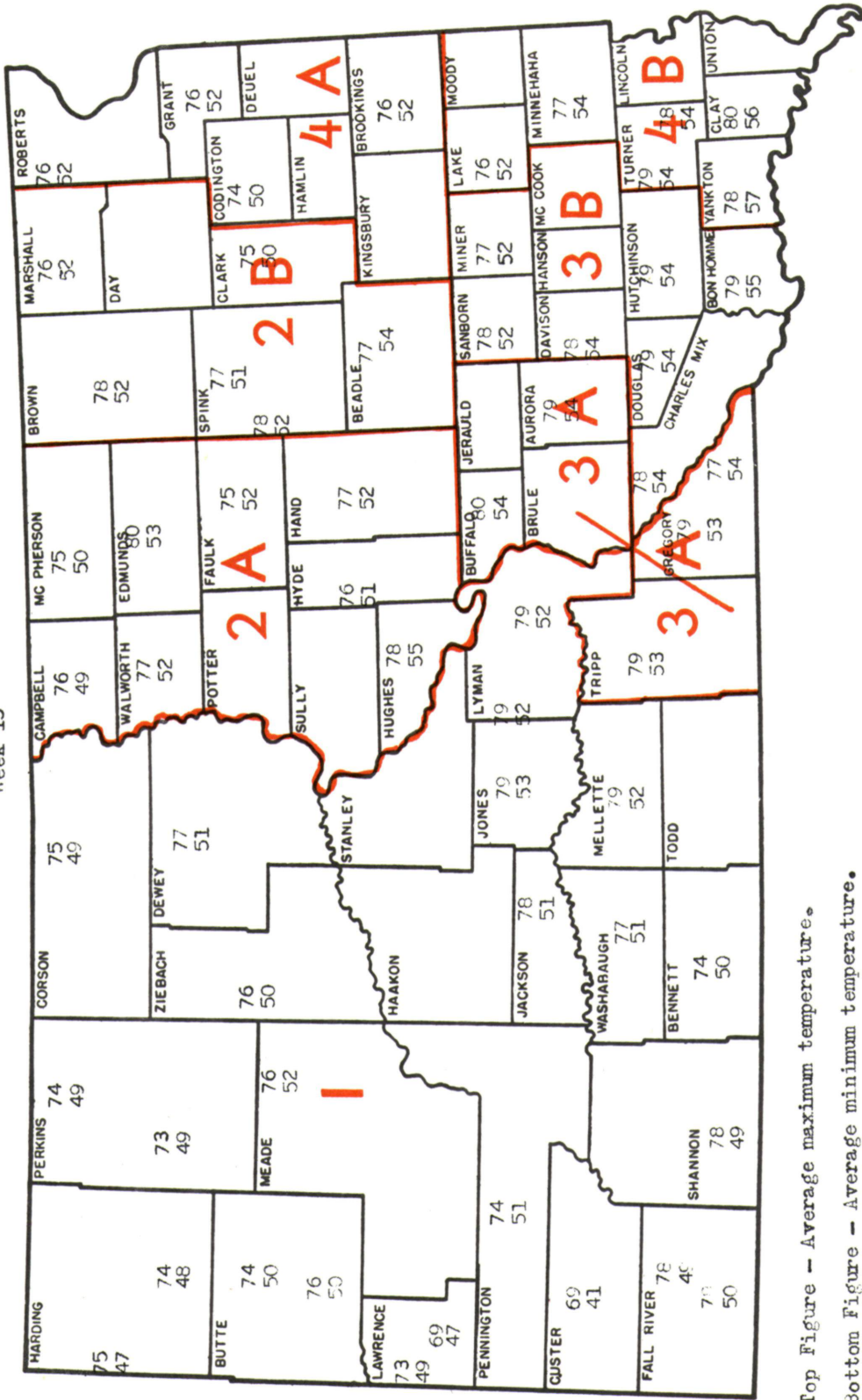




Average Maximum and Average Minimum Temperature

South Dakota

Week 15



Top Figure - Average maximum temperature.

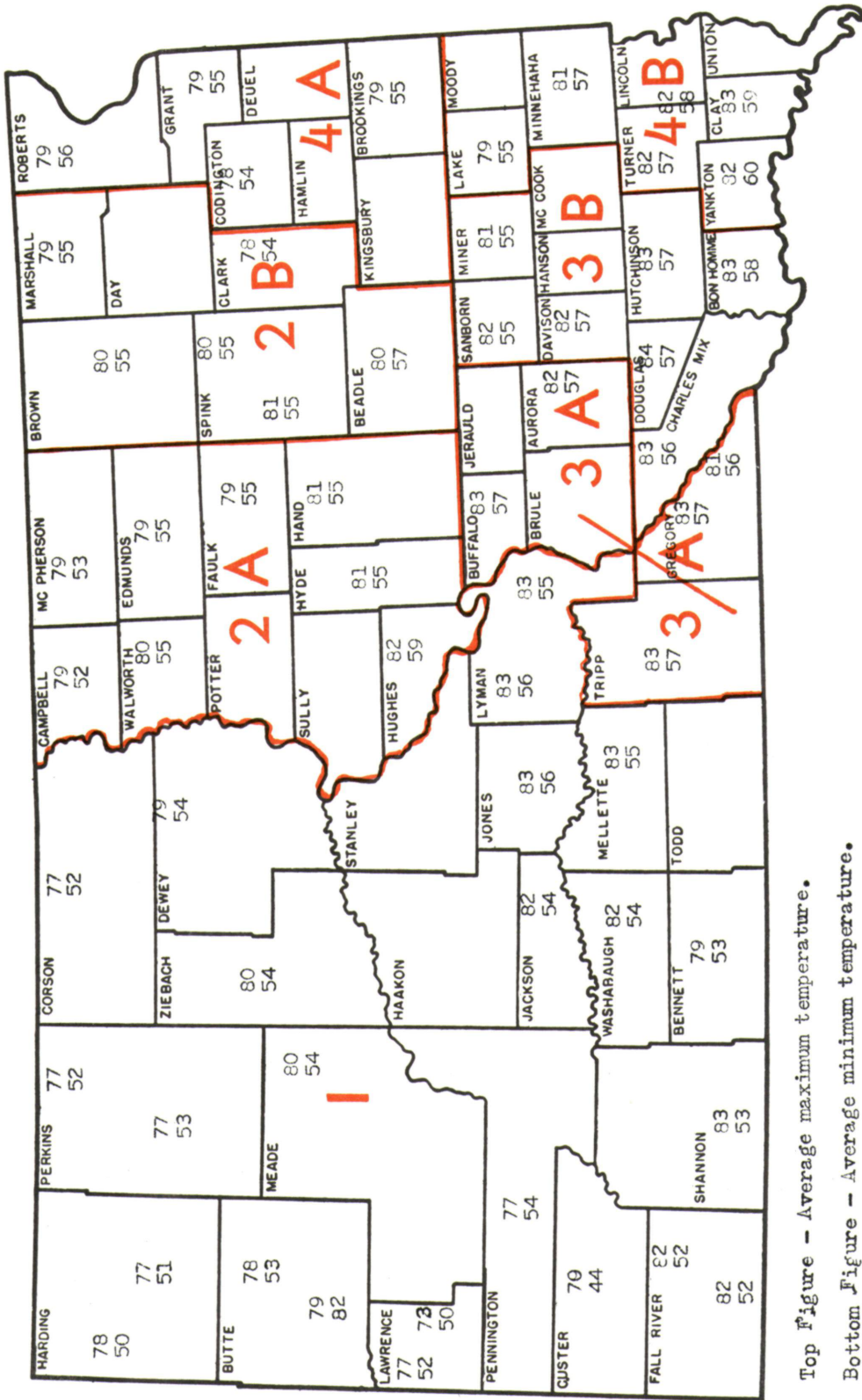
Bottom Figure - Average minimum temperature.



Average Maximum and Average Minimum Temperature

South Dakota

Week 16



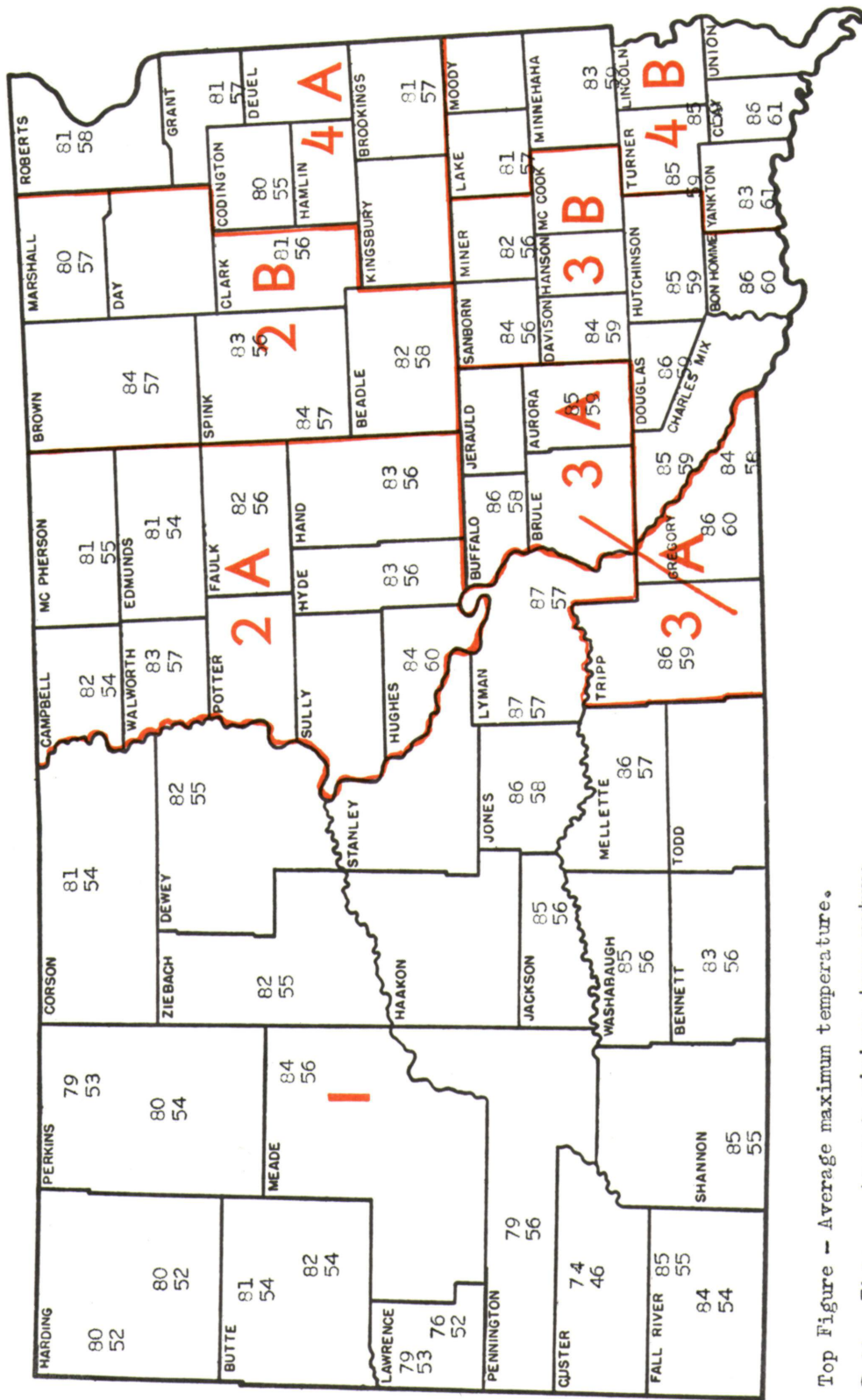
Top Figure - Average maximum temperature.

Bottom Figure - Average minimum temperature.

Average Maximum and Average Minimum Temperature

South Dakota

Week 17



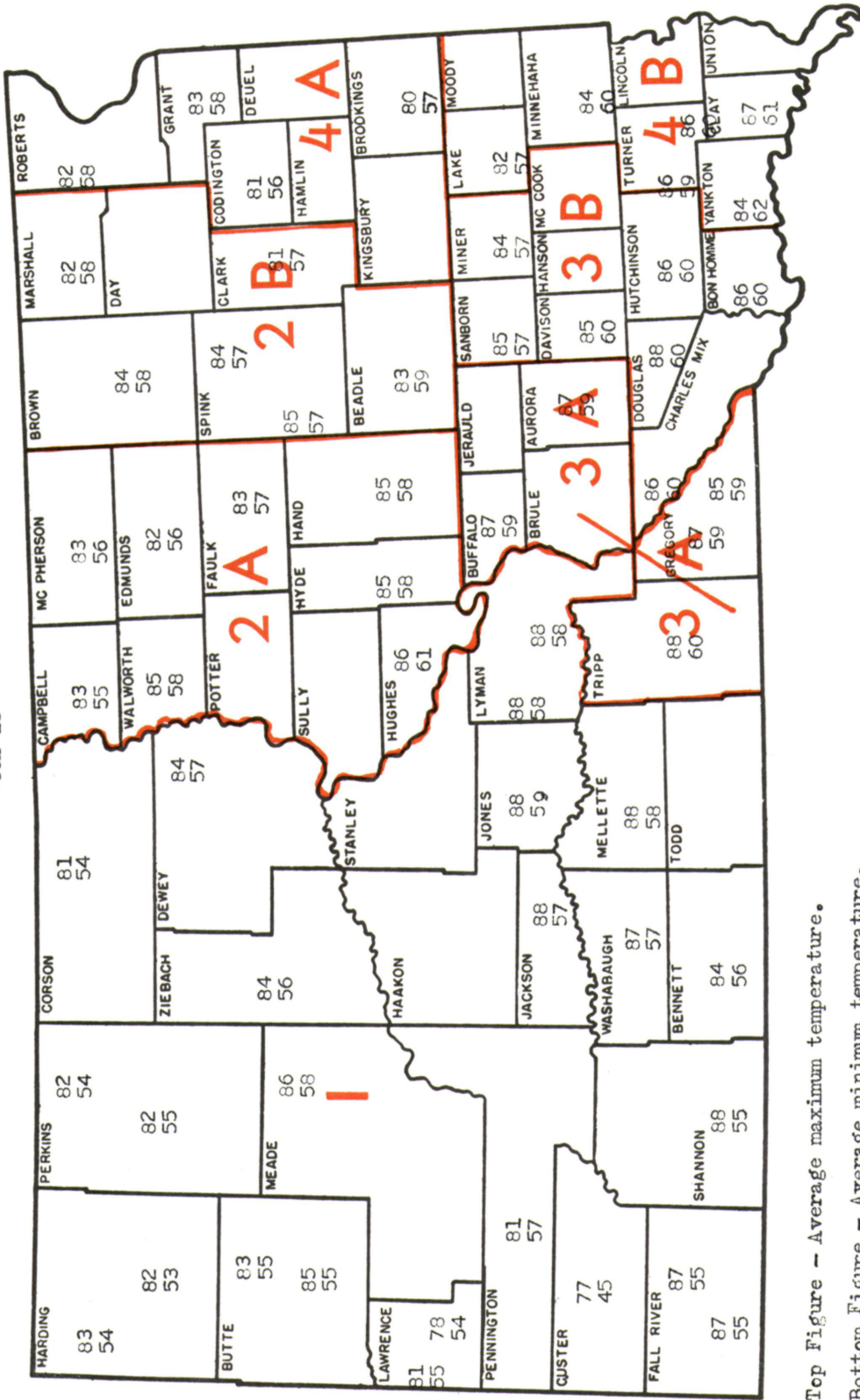
Top Figure - Average maximum temperature.

Bottom Figure - Average minimum temperature.

Average Maximum and Average Minimum Temperature

South Dakota

Week 18



Top Figure - Average maximum temperature.

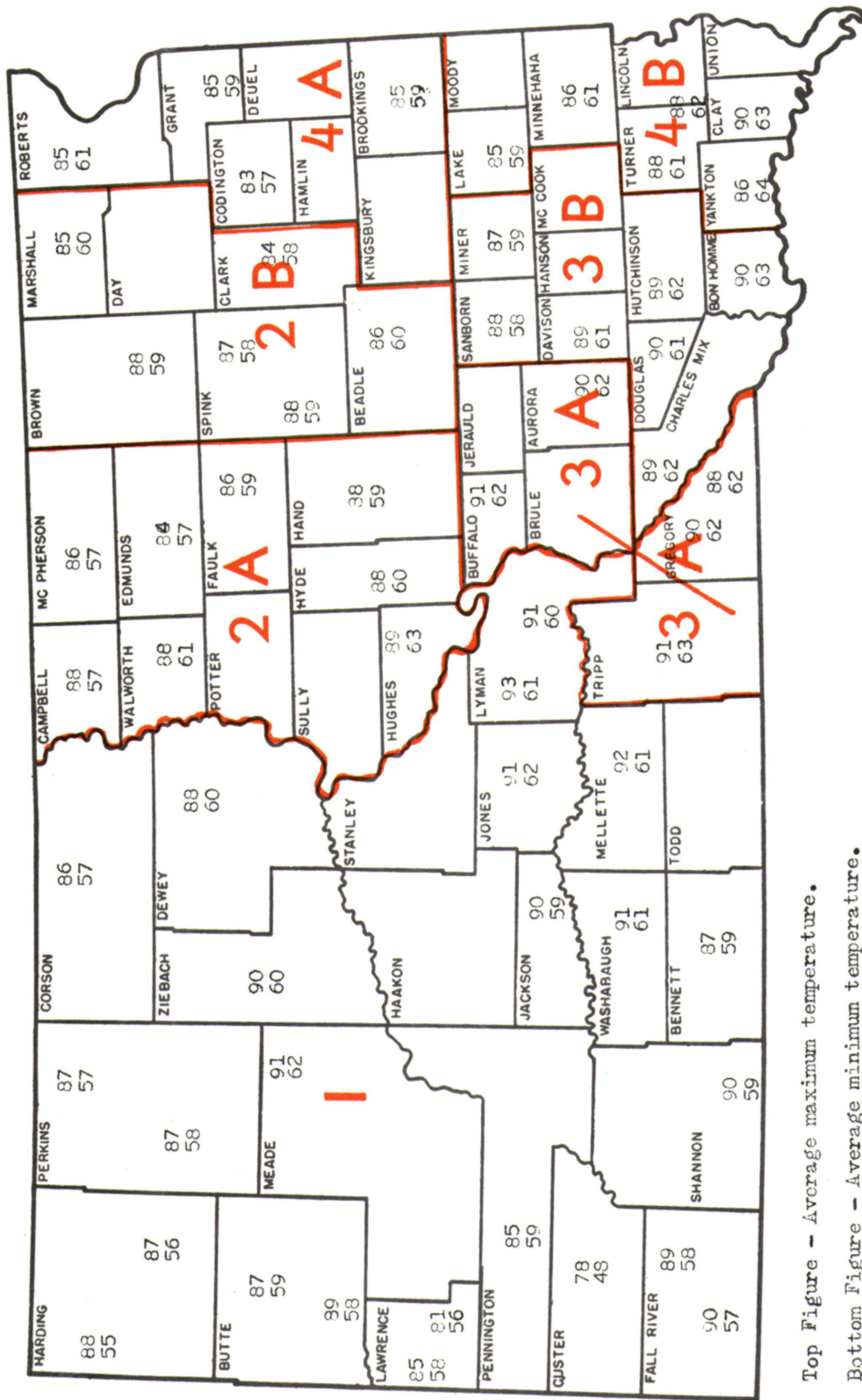
Bottom Figure - Average minimum temperature.



Average Maximum and Average Minimum Temperature

South Dakota

Week 20



Top Figure - Average maximum temperature.

Bottom Figure - Average minimum temperature.

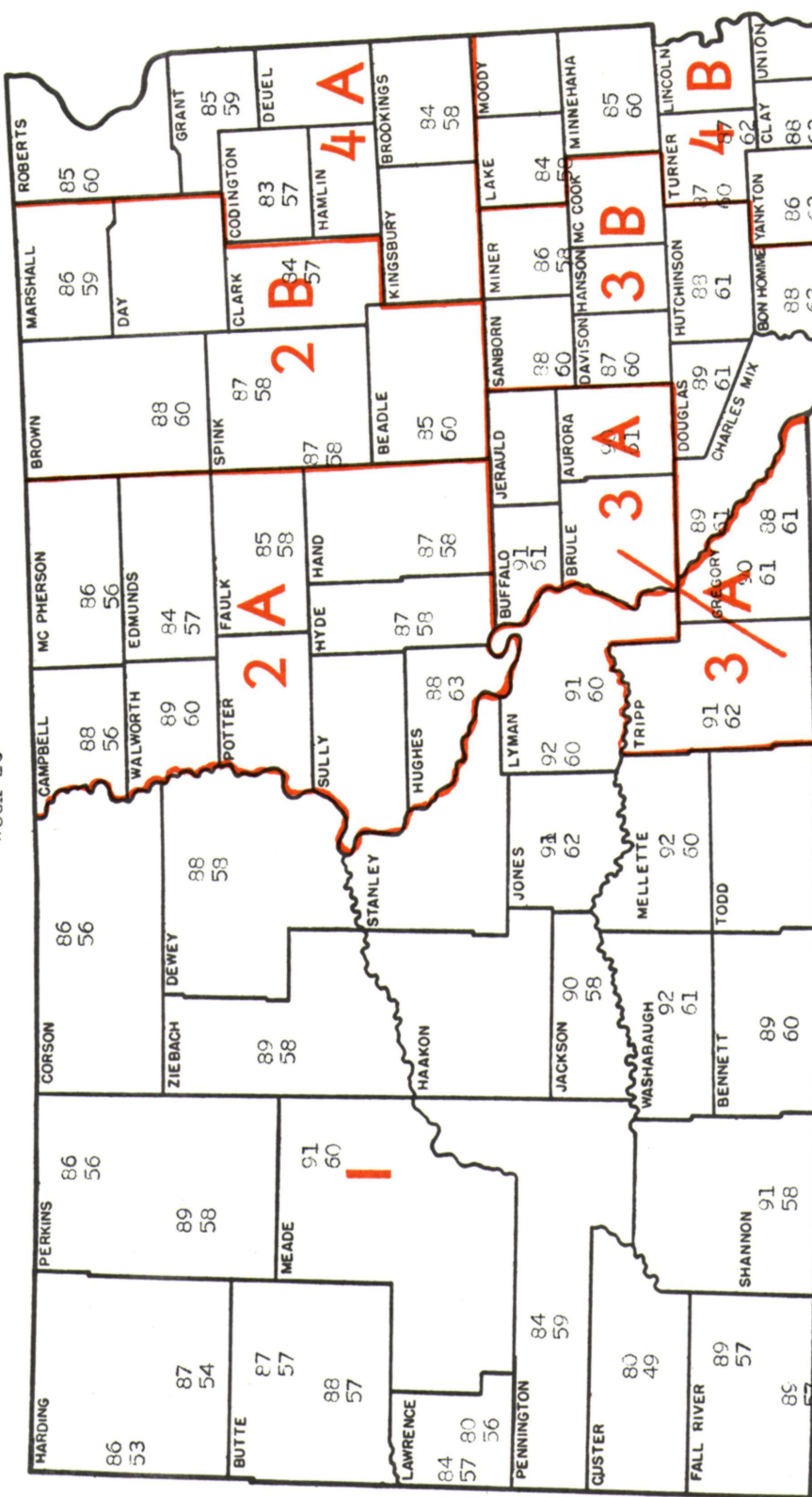




Average Maximum and Average Minimum Temperature

South Dakota

Week 23



Top Figure - Average maximum temperature.

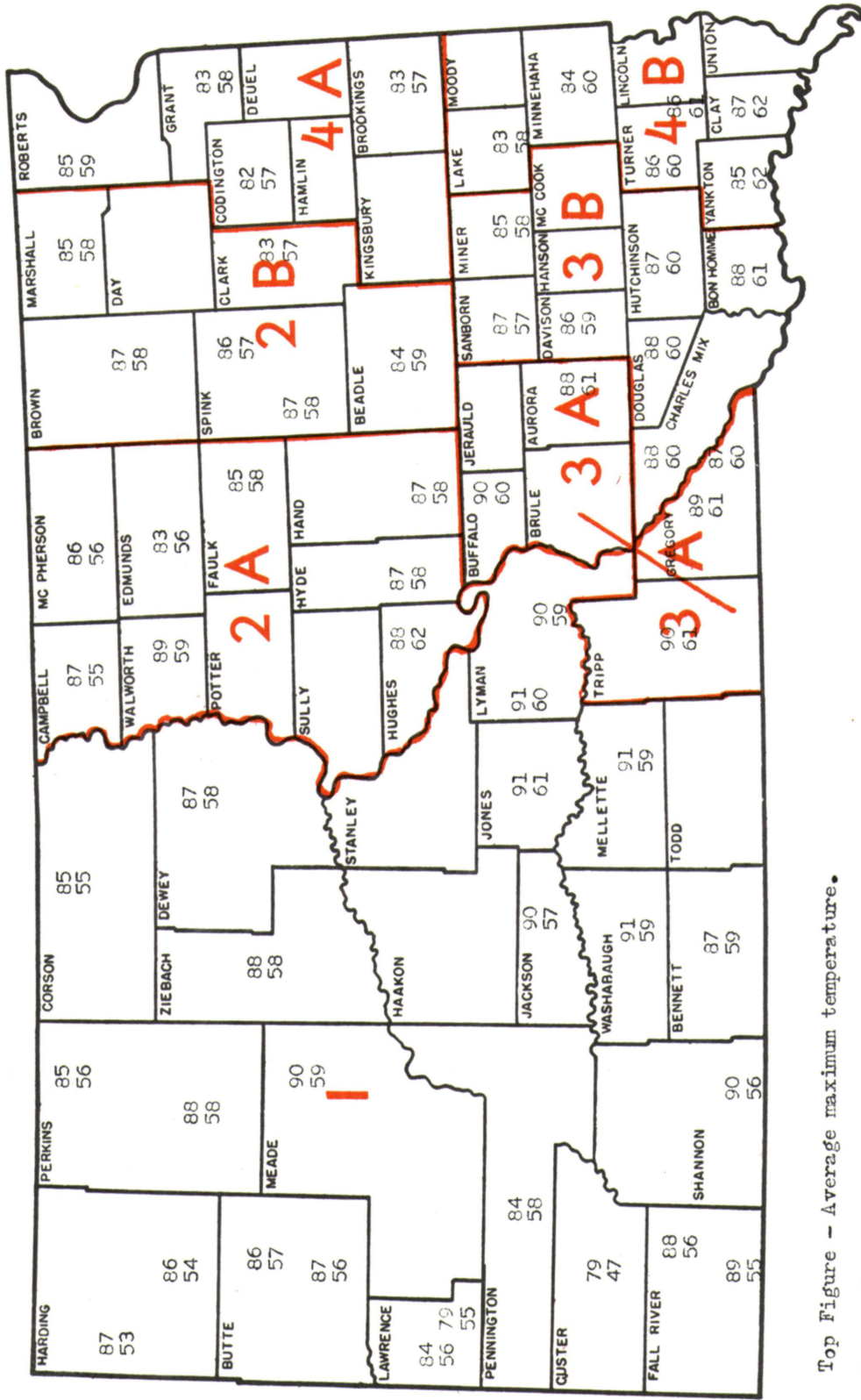
Bottom Figure - Average minimum temperature.



Average Maximum and Average Minimum Temperature

South Dakota

Week 24



Top Figure - Average maximum temperature.

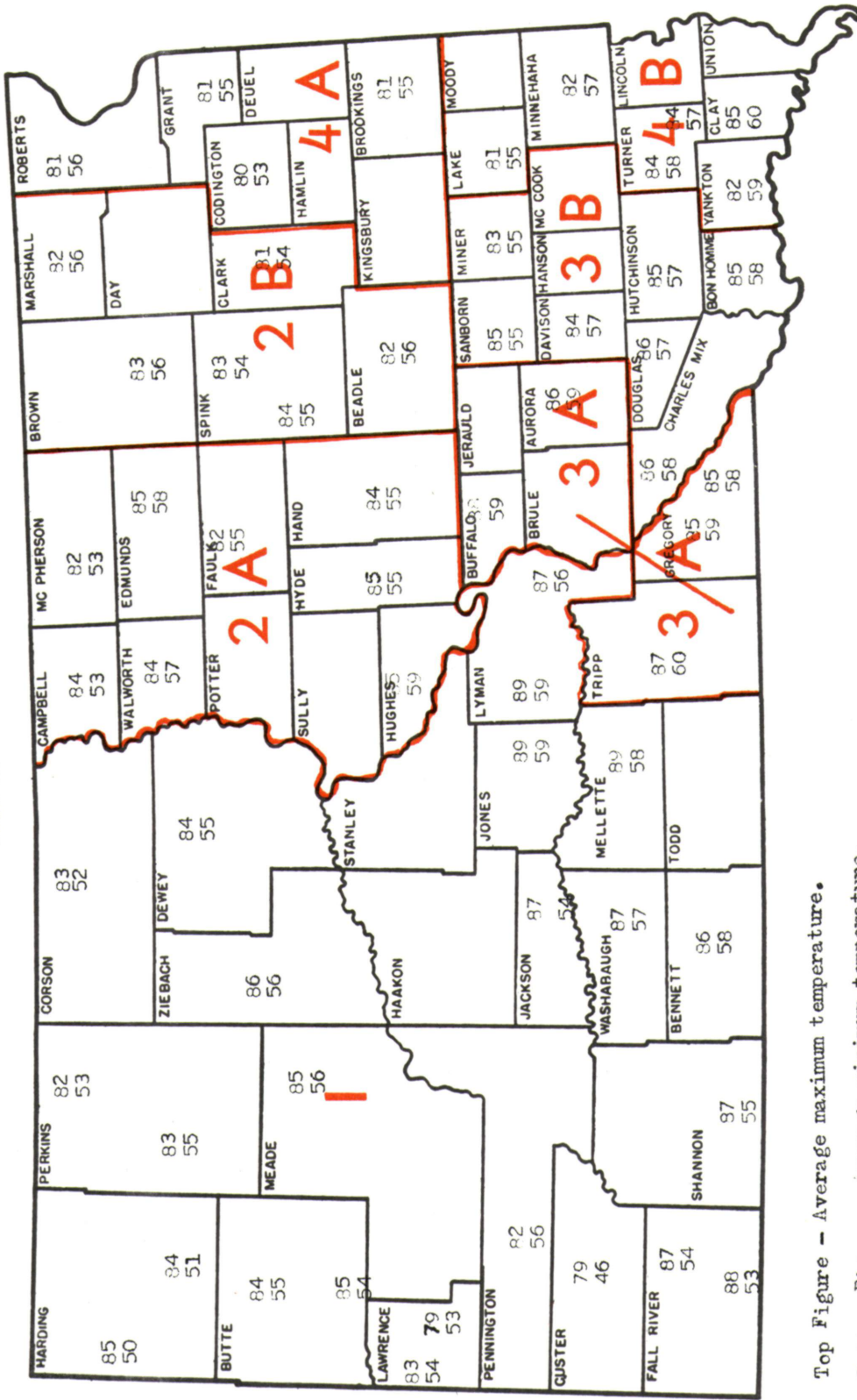
Bottom Figure - Average minimum temperature.



Average Maximum and Average Minimum Temperature

South Dakota

Week 26



Top Figure - Average maximum temperature.

Bottom Figure - Average minimum temperature.



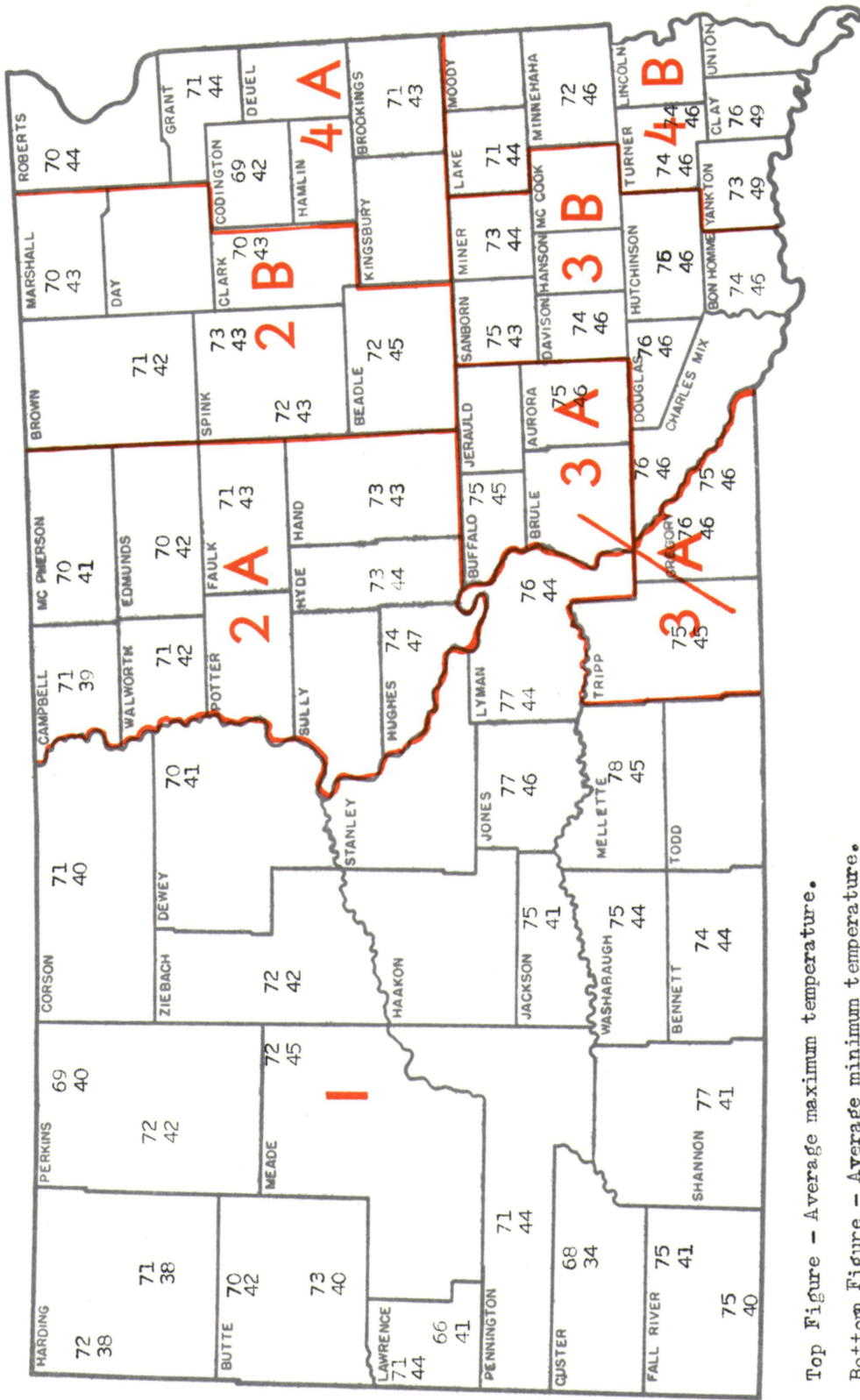




Average Maximum and Average Minimum Temperature

South Dakota

Week 30



Top Figure - Average maximum temperature.

Bottom Figure - Average minimum temperature.



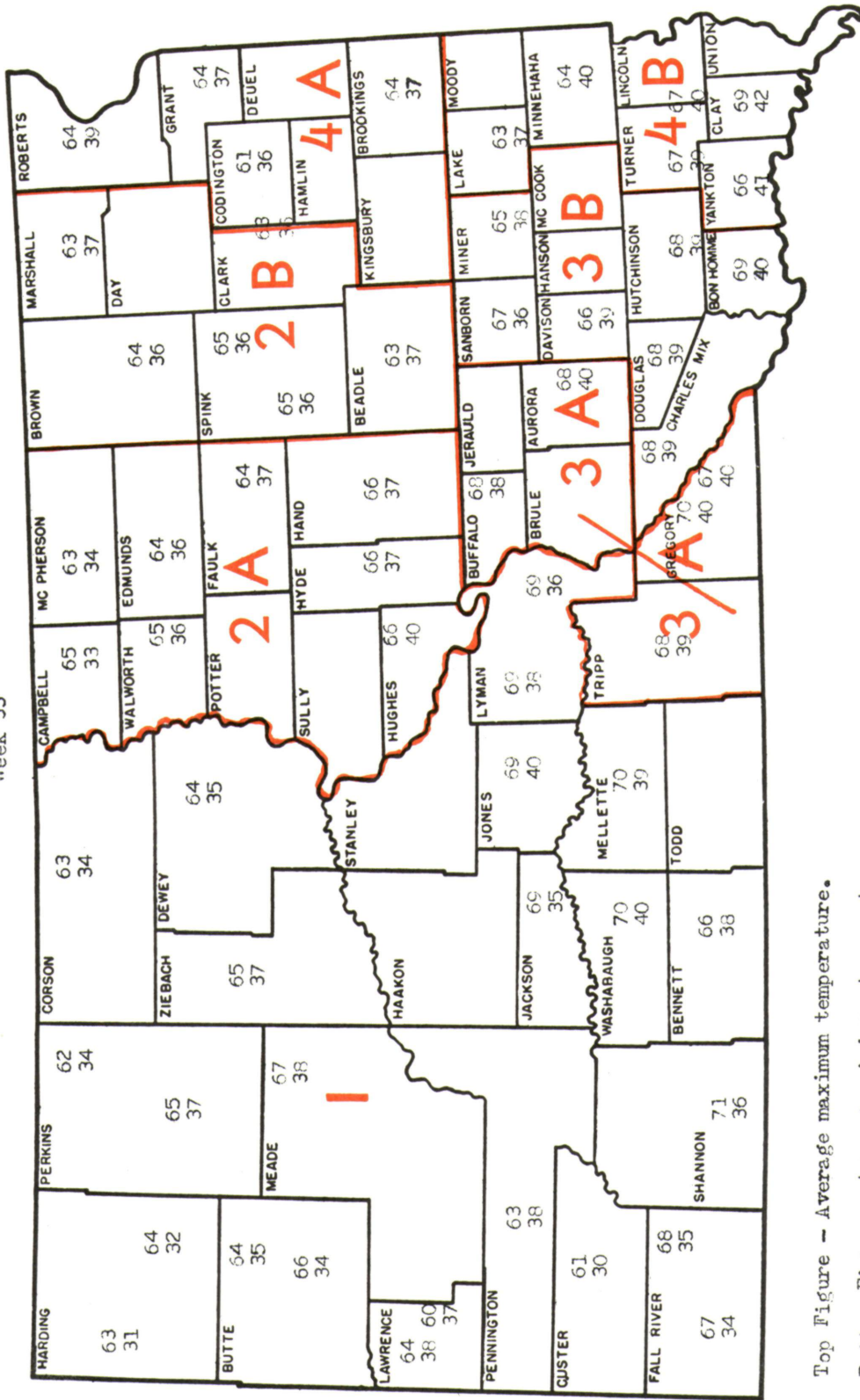




Average Maximum and Average Minimum Temperature

South Dakota

Week 33



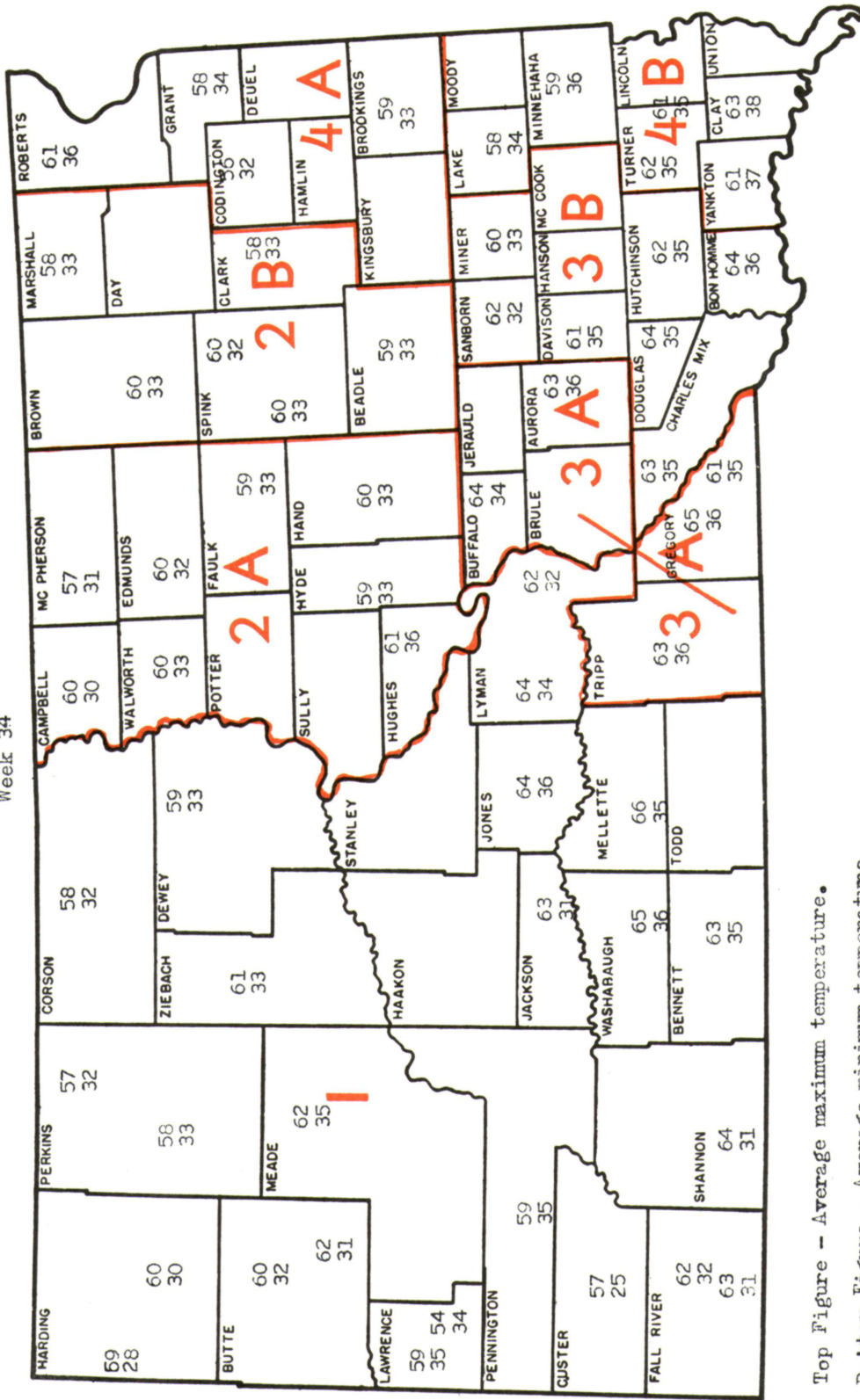
Top Figure - Average maximum temperature.

Bottom Figure - Average minimum temperature.

Average Maximum and Average Minimum Temperature

South Dakota

Week 34



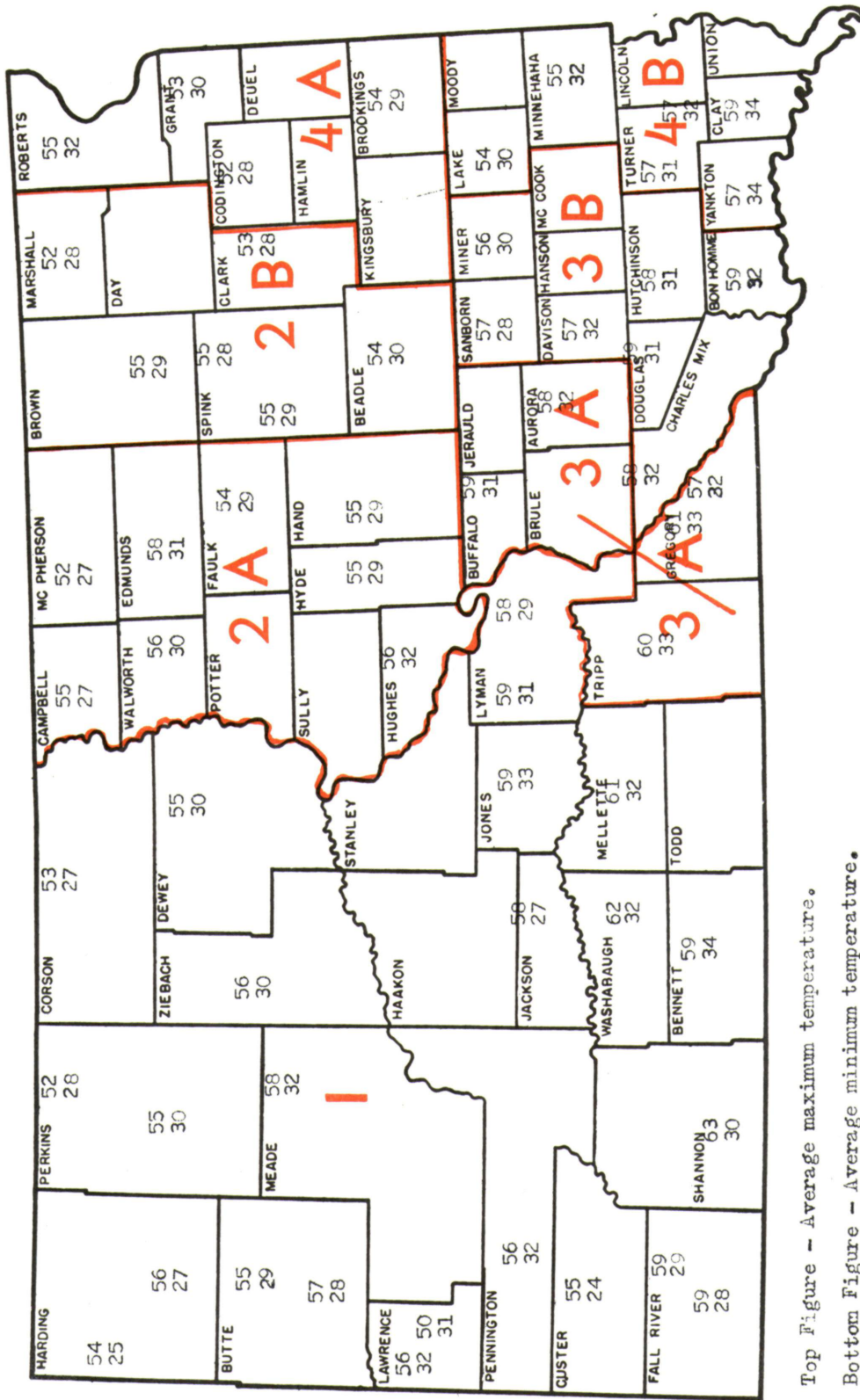
Top Figure - Average maximum temperature.

Bottom Figure - Average minimum temperature.

Average Maximum and Average Minimum Temperature

South Dakota

Week 35

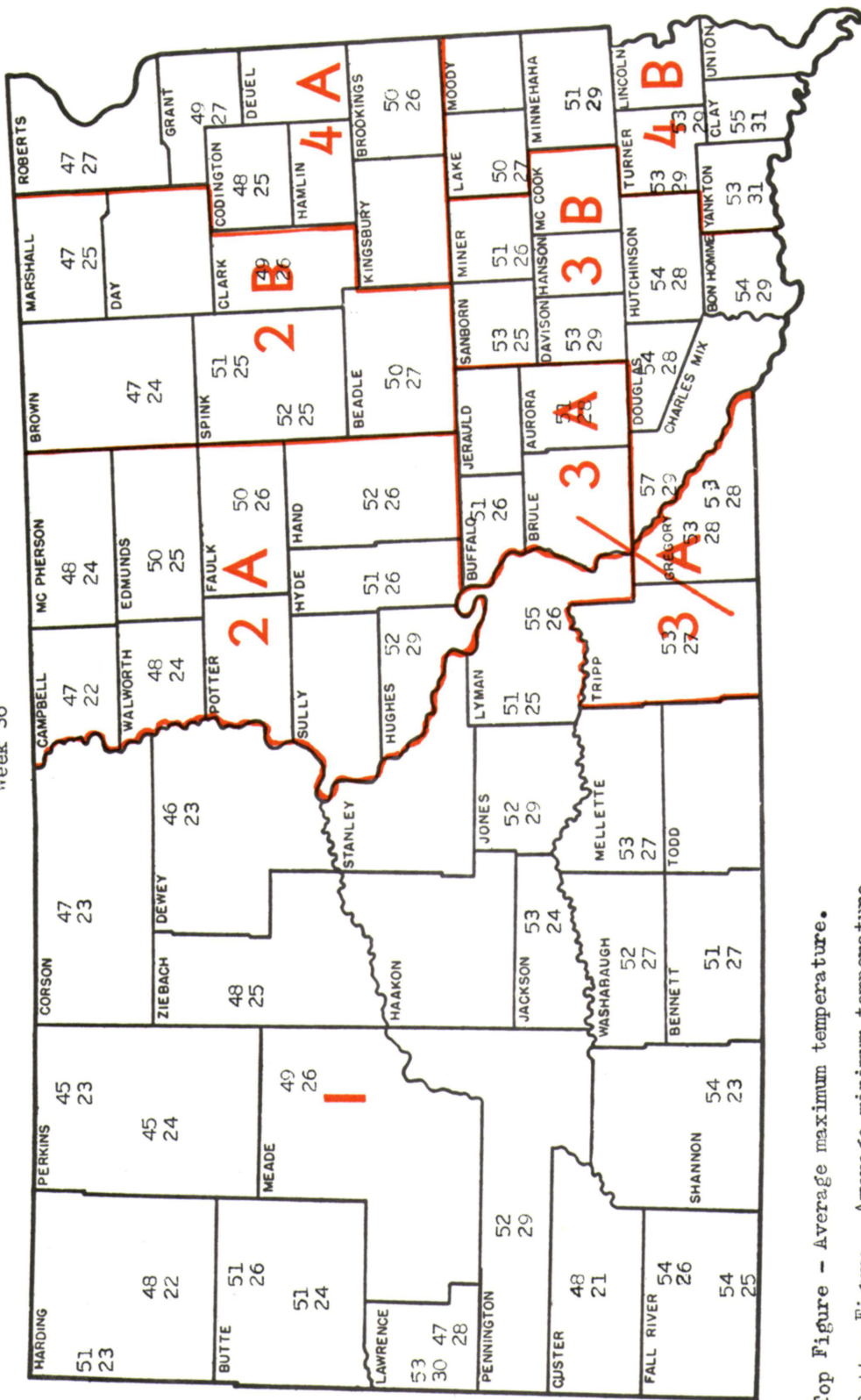


Top Figure - Average maximum temperature.  
 Bottom Figure - Average minimum temperature.

Average Maximum and Average Minimum Temperature

South Dakota

Week 36



Top Figure - Average maximum temperature.

Bottom Figure - Average minimum temperature.

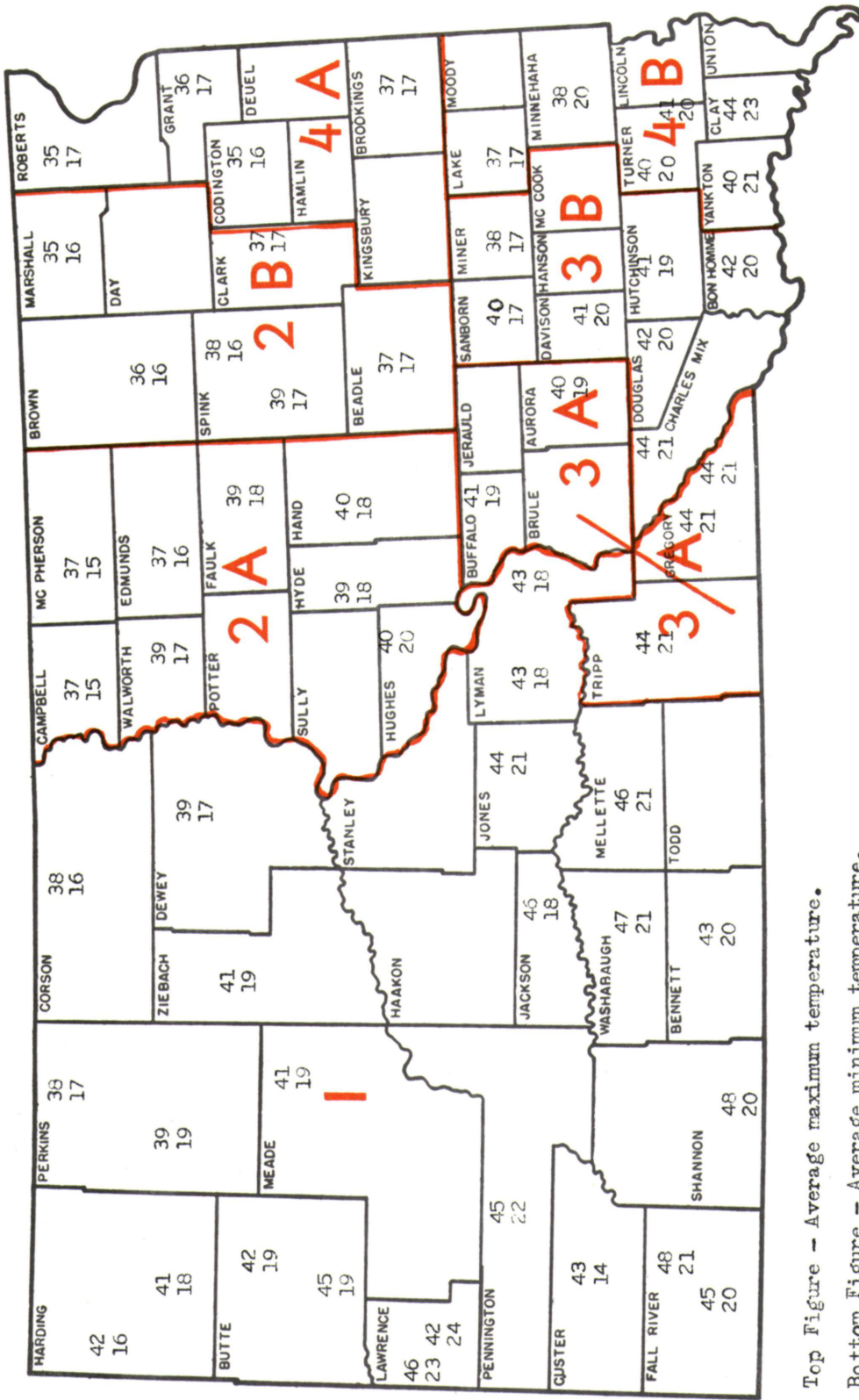




Average Maximum and Average Minimum Temperature

South Dakota

Week 39



Top Figure - Average maximum temperature.

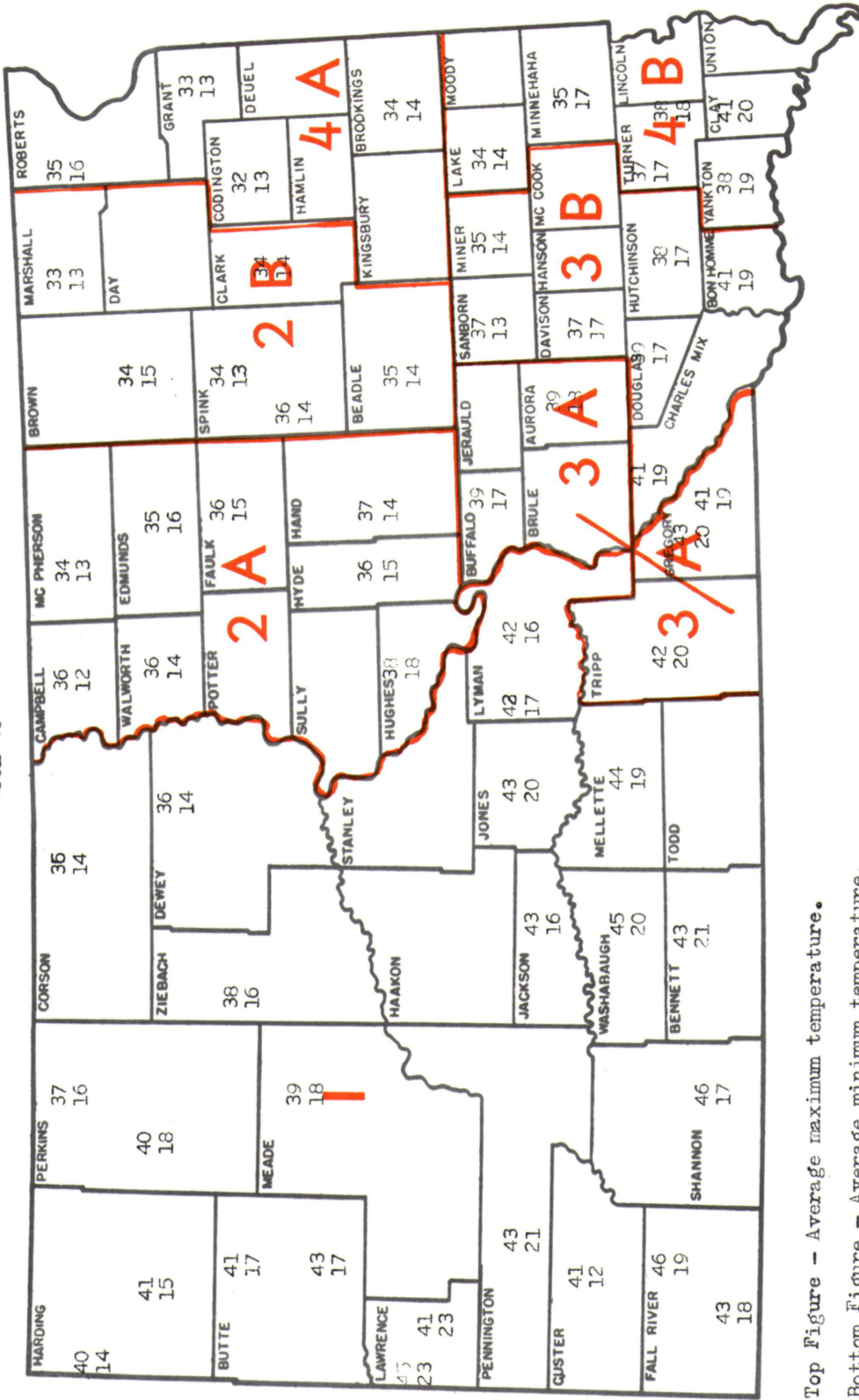
Bottom Figure - Average minimum temperature.



# Average Maximum and Average Minimum Temperature

## South Dakota

Week 40

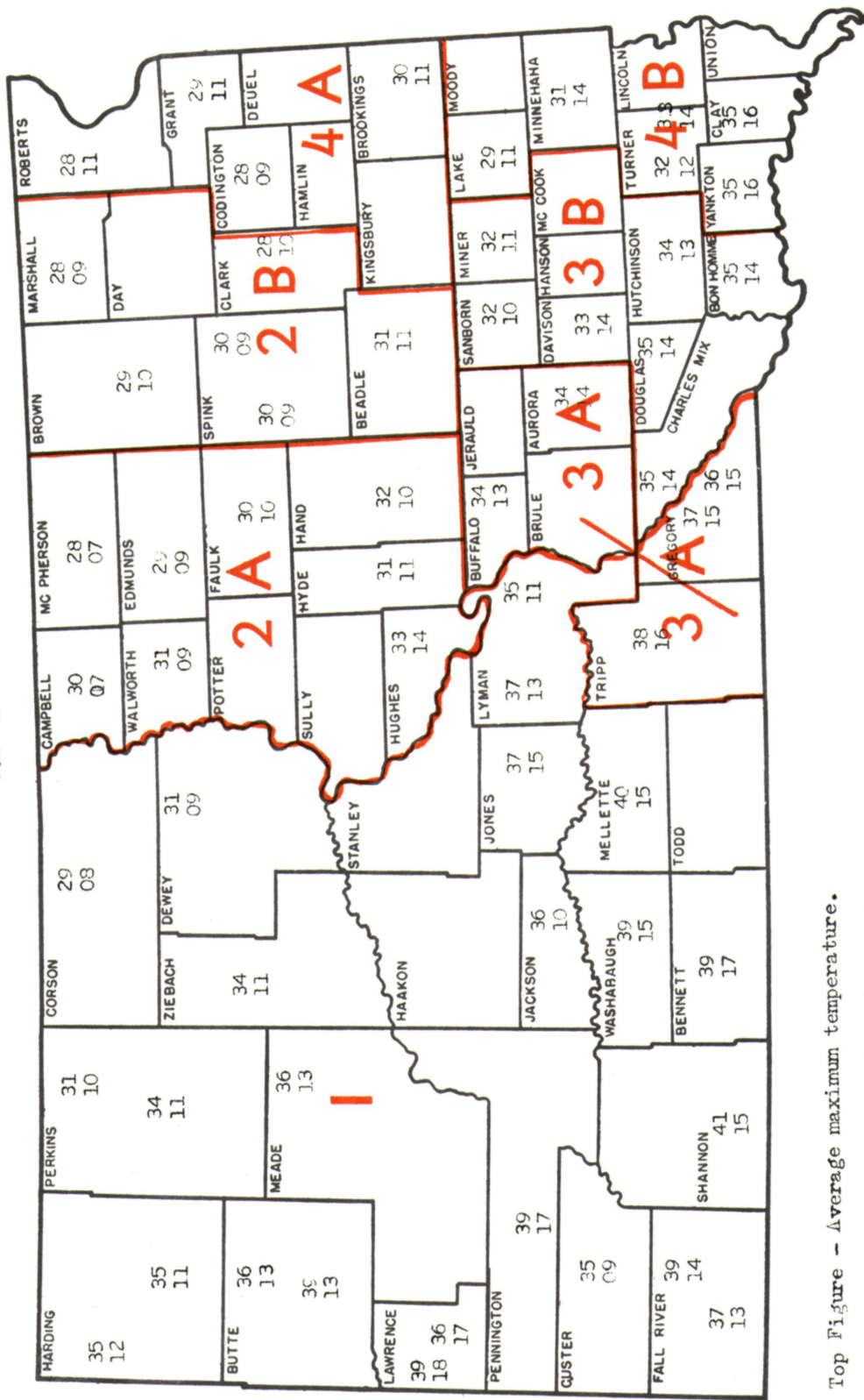


Top Figure - Average maximum temperature.

Bottom Figure - Average minimum temperature.

Average Maximum and Average Minimum Temperature  
South Dakota

Week 41



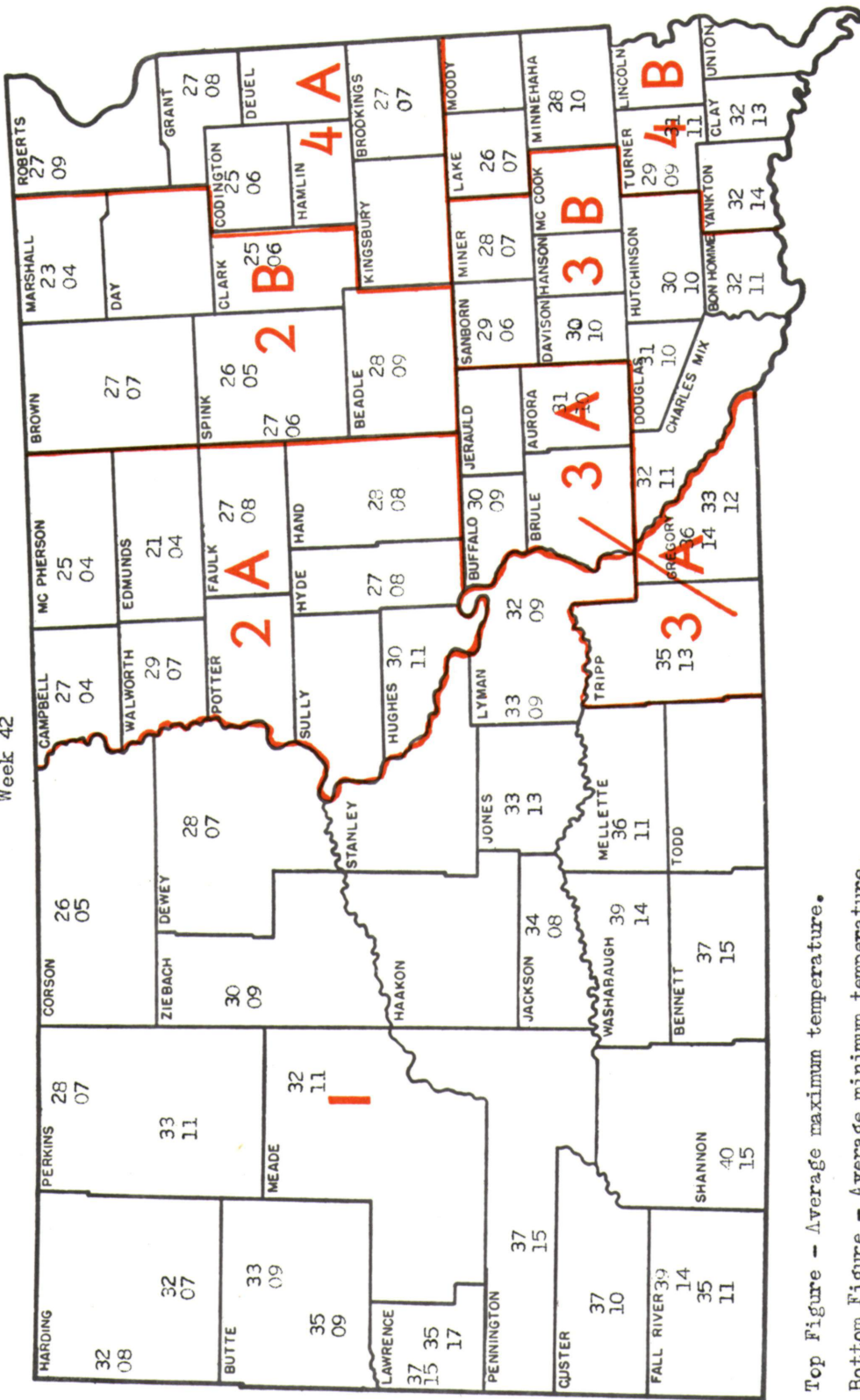
Top Figure - Average maximum temperature.

Bottom Figure - Average minimum temperature.

Average Maximum and Average Minimum Temperature

South Dakota

Week 42



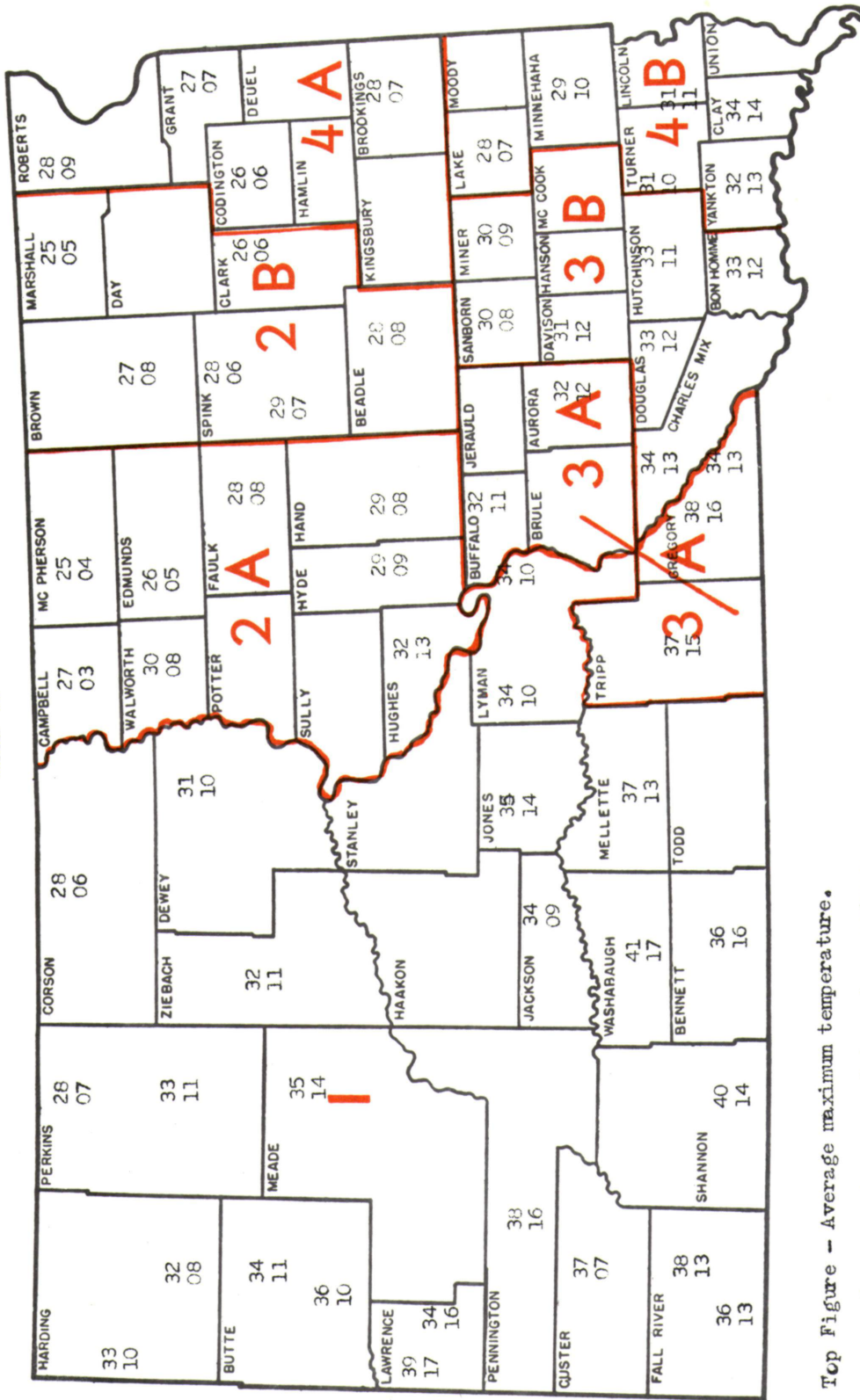
Top Figure - Average maximum temperature.

Bottom Figure - Average minimum temperature.

Average Maximum and Average Minimum Temperature

South Dakota

Week 43



Top Figure - Average maximum temperature.

Bottom Figure - Average minimum temperature.

