See Pink Copy

SENATE FILE **343**

BY COMMITTEE ON STATE GOVERNMENT

(SUCCESSOR TO SSB 263)

Passed Senate, Date (p891) 3/30/93   Passed House, Date _____

Vote: Ayes 48   Nays 0   Vote: Ayes ____ Nays ____

Approved 4/27/93

A BILL FOR

1 An Act relating to standards for land surveying by designating an

2   Iowa plane coordinate system.

3 BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF IOWA:

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SF343

SENATE FILE 343

S-3253
1   Amend Senate File 343 as follows:
2   1. Page 2, line 25, by striking the word "three"
3 and inserting the following: "these".

ADOPTED 3/30/93 (p.890)   By JOE WELSH

S-3253 FILED MARCH 25, 1993

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1   Section 1. NEW SECTION. 355.16   IOWA PLANE COORDINATE
2 SYSTEM DEFINED.

3   As used in this section, and sections 355.17 through
4 355.19, unless the context otherwise requires, "Iowa plane
5 coordinate system" or "coordinate system" means the system of
6 plane coordinates established by the United States national
7 ocean survey, or the United States national geodetic survey,
8 or a successor agency, for defining and stating the geographic
9 positions or locations of points on the surface of the earth
10 within the state of Iowa.

11   Sec. 2. NEW SECTION. 355.17   DESIGNATION OF COORDINATE
12 ZONES.

13   The Iowa plane coordinate system is divided into two zones
14 designated as follows:

15   1. a.   The area now included in the following counties
16 constitutes the north zone: Allamakee, Benton, Black Hawk,
17 Boone, Bremer, Buchanan, Buena Vista, Butler, Calhoun,
18 Carroll, Cerro Gordo, Cherokee, Chickasaw, Clay, Clayton,
19 Crawford, Delaware, Dickinson, Dubuque, Emmet, Fayette, Floyd,
20 Franklin, Greene, Grundy, Hamilton, Hancock, Hardin, Howard,
21 Humboldt, Ida, Jackson, Jones, Kossuth, Linn, Lyon, Marshall,
22 Mitchell, Monona, O'Brien, Osceola, Palo Alto, Plymouth,
23 Pocahontas, Sac, Sioux, Story, Tama, Webster, Winnebago,
24 Winneshiek, Woodbury, Worth, and Wright.

25   b.   The coordinate system north zone is a Lambert conformal
26 conic projection of the north American datum of 1983, having
27 standard parallels at north latitudes forty-two degrees, four
28 minutes, and forty-three degrees, sixteen minutes, along which
29 parallels the scale shall be exact. The origin of coordinates
30 is at the intersection of the meridian ninety-three degrees,
31 thirty minutes west of Greenwich, and the parallel forty-one
32 degrees, thirty minutes north latitude. This origin is given
33 the coordinates: x equals one million five hundred thousand
34 meters exact and y equals one million meters exact.

35   2. a.   The area now included in the following counties

1 constitutes the south zone: Adair, Adams, Appanoose, Audubon,
2 Cass, Cedar, Clarke, Clinton, Dallas, Davis, Decatur, Des
3 Moines, Fremont, Guthrie, Harrison, Henry, Iowa, Jasper,
4 Jefferson, Johnson, Keokuk, Lee, Louisa, Lucas, Madison,
5 Mahaska, Marion, Mills, Monroe, Montgomery, Muscatine, Page,
6 Polk, Pottawattamie, Poweshiek, Ringgold, Scott, Shelby,
7 Taylor, Union, Van Buren, Wapello, Warren, Washington, and
8 Wayne.
9   b. The coordinate system south zone is a Lambert conformal
10 conic project of the north American datum of 1983, having
11 standard parallels at north latitudes forty degrees, thirty-
12 seven minutes, and forty-one degrees, forty-seven minutes,
13 along which parallels the scale shall be exact. The origin of
14 coordinates is at the intersection of the meridian ninety-
15 three degrees, thirty minutes west of Greenwich, and the
16 parallel forty degrees, zero minutes north latitude. This
17 origin is given the coordinates: x equals five hundred
18 thousand meters exact and y equals zero meters exact.
19   Sec. 3. <u>NEW SECTION</u>. 355.18 IDENTIFICATION OF GEOGRAPHIC
20 LOCATIONS.
21   The plane coordinate values for a point on the earth's
22 surface used to express the geographic position or location of
23 the point in the appropriate zone of the coordinate system
24 shall consist of two distances expressed in meters and
25 decimals of a meter. One of three distances, to be known as
26 the "x-coordinate", shall give the position in an east-and-
27 west direction; the other, to be known as the "y-coordinate",
28 shall give the position in a north-and-south direction. These
29 coordinates shall be made to depend upon and conform to plane
30 rectangular coordinate values for the monumented points of the
31 north American horizontal geodetic control network as
32 published by the United States national ocean survey, or the
33 United States national geodetic survey, or a successor agency.
34 Any monumented point may be used for establishing a survey
35 connection to the coordinate system.

1   Sec. 4. <u>NEW SECTION</u>. 355.19 APPLICATION OF TERMS.

2   The use of the term "Iowa plane coordinate system north

3 zone" or "Iowa plane coordinate system south zone" on a map,

4 report of survey, or other document shall be limited to

5 coordinates based on the Iowa plane coordinate system as

6 defined in this chapter.

7   EXPLANATION

8   This bill designates an Iowa plane coordinate system to de-

9 scribe and define the geographic position of points located

10 within this state utilizing federally established plane

11 coordinates.

12   The bill includes a section dividing the state into north

13 and south coordinate zones which are defined both in terms of

14 member counties and the north American datum of 1983.

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SENATE FILE **343**

BY COMMITTEE ON STATE GOVERNMENT

(SUCCESSOR TO SSB 263)

(AS AMENDED AND PASSED BY THE SENATE MARCH 30, 1993)

━━━━━━━━━━━━━━━ - New Language by the Senate

Passed Senate, Date _____   Passed House, Date *(p.1425)* *4/20/93*

Vote: Ayes ____ Nays ____   Vote: Ayes *92* Nays *5*

Approved ___*April 27, 1993*___

A BILL FOR

1 An Act relating to standards for land surveying by designating an
2   Iowa plane coordinate system.
3 BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF IOWA:
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S.F. 343

1   Section 1. NEW SECTION. 355.16   IOWA PLANE COORDINATE
2 SYSTEM DEFINED.
3   As used in this section, and sections 355.17 through
4 355.19, unless the context otherwise requires, "Iowa plane
5 coordinate system" or "coordinate system" means the system of
6 plane coordinates established by the United States national
7 ocean survey, or the United States national geodetic survey,
8 or a successor agency, for defining and stating the geographic
9 positions or locations of points on the surface of the earth
10 within the state of Iowa.
11   Sec. 2. NEW SECTION. 355.17   DESIGNATION OF COORDINATE
12 ZONES.
13   The Iowa plane coordinate system is divided into two zones
14 designated as follows:
15   1.   a.   The area now included in the following counties
16 constitutes the north zone: Allamakee, Benton, Black Hawk,
17 Boone, Bremer, Buchanan, Buena Vista, Butler, Calhoun,
18 Carroll, Cerro Gordo, Cherokee, Chickasaw, Clay, Clayton,
19 Crawford, Delaware, Dickinson, Dubuque, Emmet, Fayette, Floyd,
20 Franklin, Greene, Grundy, Hamilton, Hancock, Hardin, Howard,
21 Humboldt, Ida, Jackson, Jones, Kossuth, Linn, Lyon, Marshall,
22 Mitchell, Monona, O'Brien, Osceola, Palo Alto, Plymouth,
23 Pocahontas, Sac, Sioux, Story, Tama, Webster, Winnebago,
24 Winneshiek, Woodbury, Worth, and Wright.
25   b.   The coordinate system north zone is a Lambert conformal
26 conic projection of the north American datum of 1983, having
27 standard parallels at north latitudes forty-two degrees, four
28 minutes, and forty-three degrees, sixteen minutes, along which
29 parallels the scale shall be exact. The origin of coordinates
30 is at the intersection of the meridian ninety-three degrees,
31 thirty minutes west of Greenwich, and the parallel forty-one
32 degrees, thirty minutes north latitude. This origin is given
33 the coordinates: x equals one million five hundred thousand
34 meters exact and y equals one million meters exact.
35   2.   a.   The area now included in the following counties

1 constitutes the south zone: Adair, Adams, Appanoose, Audubon,
2 Cass, Cedar, Clarke, Clinton, Dallas, Davis, Decatur, Des
3 Moines, Fremont, Guthrie, Harrison, Henry, Iowa, Jasper,
4 Jefferson, Johnson, Keokuk, Lee, Louisa, Lucas, Madison,
5 Mahaska, Marion, Mills, Monroe, Montgomery, Muscatine, Page,
6 Polk, Pottawattamie, Poweshiek, Ringgold, Scott, Shelby,
7 Taylor, Union, Van Buren, Wapello, Warren, Washington, and
8 Wayne.
9   b.   The coordinate system south zone is a Lambert conformal
10 conic project of the north American datum of 1983, having
11 standard parallels at north latitudes forty degrees, thirty-
12 seven minutes, and forty-one degrees, forty-seven minutes,
13 along which parallels the scale shall be exact.   The origin of
14 coordinates is at the intersection of the meridian ninety-
15 three degrees, thirty minutes west of Greenwich, and the
16 parallel forty degrees, zero minutes north latitude.   This
17 origin is given the coordinates: x equals five hundred
18 thousand meters exact and y equals zero meters exact.
19   Sec. 3.   NEW SECTION.   355.18   IDENTIFICATION OF GEOGRAPHIC
20 LOCATIONS.
21   The plane coordinate values for a point on the earth's
22 surface used to express the geographic position or location of
23 the point in the appropriate zone of the coordinate system
24 shall consist of two distances expressed in meters and
25 decimals of a meter.   One of these distances, to be known as
26 the "x-coordinate", shall give the position in an east-and-
27 west direction; the other, to be known as the "y-coordinate",
28 shall give the position in a north-and-south direction.   These
29 coordinates shall be made to depend upon and conform to plane
30 rectangular coordinate values for the monumented points of the
31 north American horizontal geodetic control network as
32 published by the United States national ocean survey, or the
33 United States national geodetic survey, or a successor agency.
34 Any monumented point may be used for establishing a survey
35 connection to the coordinate system.

1   Sec. 4.   NEW SECTION.   355.19   APPLICATION OF TERMS.
2   The use of the term "Iowa plane coordinate system north
3 zone" or "Iowa plane coordinate system south zone" on a map,
4 report of survey, or other document shall be limited to
5 coordinates based on the Iowa plane coordinate system as
6 defined in this chapter.
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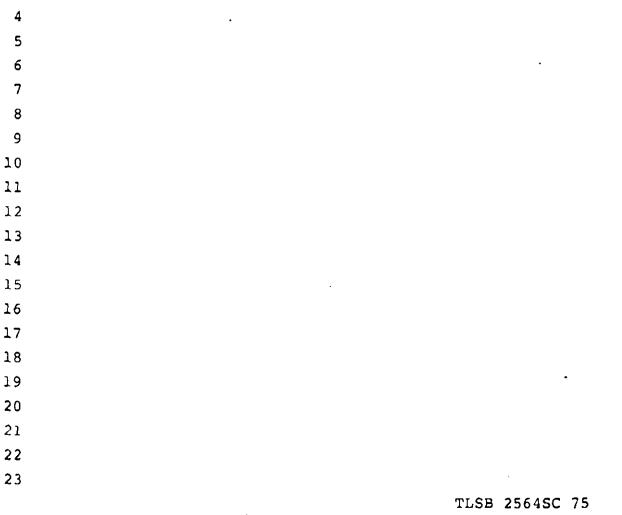*Drake*

SSB 263
STATE GOVERNMENT

SENATE FILE *343*

BY (PROPOSED COMMITTEE ON
     STATE GOVERNMENT BILL
     BY CHAIRPERSON GRONSTAL)

Passed Senate, Date _____   Passed House, Date _____
Vote: Ayes _____ Nays _____   Vote: Ayes _____ Nays _____
                    Approved _____

A BILL FOR

1 An Act relating to standards for land surveying by designating an
2   Iowa plane coordinate system.
3 BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF IOWA:
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1   Section 1. NEW SECTION. 355.16 IOWA PLANE COORDINATE
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4 355.19, unless the context otherwise requires, "Iowa plane
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9 positions or locations of points on the surface of the earth
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11   Sec. 2. NEW SECTION. 355.17 DESIGNATION OF COORDINATE
12 ZONES.
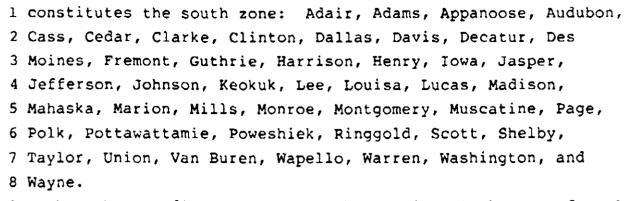13   The Iowa plane coordinate system is divided into two zones
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20 Franklin, Greene, Grundy, Hamilton, Hancock, Hardin, Howard,
21 Humboldt, Ida, Jackson, Jones, Kossuth, Linn, Lyon, Marshall,
22 Mitchell, Monona, O'Brien, Osceola, Palo Alto, Plymouth,
23 Pocahontas, Sac, Sioux, Story, Tama, Webster, Winnebago,
24 Winneshiek, Woodbury, Worth, and Wright.
25   b. The coordinate system north zone is a Lambert conformal
26 conic projection of the north American datum of 1983, having
27 standard parallels at north latitudes forty-two degrees, four
28 minutes, and forty-three degrees, sixteen minutes, along which
29 parallels the scale shall be exact. The origin of coordinates
30 is at the intersection of the meridian ninety-three degrees,
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3 Moines, Fremont, Guthrie, Harrison, Henry, Iowa, Jasper,

4 Jefferson, Johnson, Keokuk, Lee, Louisa, Lucas, Madison,

5 Mahaska, Marion, Mills, Monroe, Montgomery, Muscatine, Page,

6 Polk, Pottawattamie, Poweshiek, Ringgold, Scott, Shelby,

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27 west direction; the other, to be known as the "y-coordinate",

28 shall give the position in a north-and-south direction. These

29 coordinates shall be made to depend upon and conform to plane

30 rectangular coordinate values for the monumented points of the

31 north American horizontal geodetic control network as

32 published by the United States national ocean survey, or the

33 United States national geodetic survey, or a successor agency.

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3 zone" or "Iowa plane coordinate system south zone" on a map,

4 report of survey, or other document shall be limited to

5 coordinates based on the Iowa plane coordinate system as

6 defined in this chapter.

7   EXPLANATION

8   This bill designates an Iowa plane coordinate system to de-

9 scribe and define the geographic position of points located

10 within this state utilizing federally established plane

11 coordinates.

12   The bill includes a section dividing the state into north

13 and south coordinate zones which are defined both in terms of

14 member counties and the north American datum of 1983.

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SENATE FILE 343

AN ACT
RELATING TO STANDARDS FOR LAND SURVEYING BY DESIGNATING AN
IOWA PLANE COORDINATE SYSTEM.

BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF IOWA:

Section 1. NEW SECTION. 355.16 IOWA PLANE COORDINATE
SYSTEM DEFINED.

As used in this section, and sections 355.17 through
355.19, unless the context otherwise requires, "Iowa plane
coordinate system" or "coordinate system" means the system of
plane coordinates established by the United States national
ocean survey, or the United States national geodetic survey,
or a successor agency, for defining and stating the geographic
positions or locations of points on the surface of the earth
within the state of Iowa.

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ZONES.

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designated as follows:

1.   a.   The area now included in the following counties
constitutes the north zone: Allamakee, Benton, Black Hawk,
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Carroll, Cerro Gordo, Cherokee, Chickasaw, Clay, Clayton,
Crawford, Delaware, Dickinson, Dubuque, Emmet, Fayette, Floyd,
Franklin, Greene, Grundy, Hamilton, Hancock, Hardin, Howard,
Humboldt, Ida, Jackson, Jones, Kossuth, Linn, Lyon, Marshall,
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Pocahontas, Sac, Sioux, Story, Tama, Webster, Winnebago,
Winneshiek, Woodbury, Worth, and Wright.

b.   The coordinate system north zone is a Lambert conformal
conic projection of the north American datum of 1983, having
standard parallels at north latitudes forty-two degrees, four
minutes, and forty-three degrees, sixteen minutes, along which
parallels the scale shall be exact.   The origin of coordinates

is at the intersection of the meridian ninety-three degrees,
thirty minutes west of Greenwich, and the parallel forty-one
degrees, thirty minutes north latitude.   This origin is given
the coordinates: x equals one million five hundred thousand
meters exact and y equals one million meters exact.

2.   a.   The area now included in the following counties
constitutes the south zone: Adair, Adams, Appanoose, Audubon,
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Moines, Fremont, Guthrie, Harrison, Henry, Iowa, Jasper,
Jefferson, Johnson, Keokuk, Lee, Louisa, Lucas, Madison,
Mahaska, Marion, Mills, Monroe, Montgomery, Muscatine, Page,
Polk, Pottawattamie, Poweshiek, Ringgold, Scott, Shelby,
Taylor, Union, Van Buren, Wapello, Warren, Washington, and
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conic project of the north American datum of 1983, having
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seven minutes, and forty-one degrees, forty-seven minutes,
along which parallels the scale shall be exact.   The origin of
coordinates is at the intersection of the meridian ninety-
three degrees, thirty minutes west of Greenwich, and the
parallel forty degrees, zero minutes north latitude.   This
origin is given the coordinates: x equals five hundred
thousand meters exact and y equals zero meters exact.

Sec. 3. NEW SECTION. 355.18 IDENTIFICATION OF GEOGRAPHIC
LOCATIONS.

The plane coordinate values for a point on the earth's
surface used to express the geographic position or location of
the point in the appropriate zone of the coordinate system
shall consist of two distances expressed in meters and
decimals of a meter.   One of these distances, to be known as
the "x-coordinate", shall give the position in an east-and-
west direction; the other, to be known as the "y-coordinate",
shall give the position in a north-and-south direction.   These
coordinates shall be made to depend upon and conform to plane
rectangular coordinate values for the monumented points of the
north American horizontal geodetic control network as

SF 343

published by the United States national ocean survey, or the
United States national geodetic survey, or a successor agency.
Any monumented point may be used for establishing a survey
connection to the coordinate system.

    Sec. 4. <u>NEW SECTION</u>. 355.19 APPLICATION OF TERMS.

    The use of the term "Iowa plane coordinate system north
zone" or "Iowa plane coordinate system south zone" on a map,
report of survey, or other document shall be limited to
coordinates based on the Iowa plane coordinate system as
defined in this chapter.

<div style="text-align:right">

_____

LEONARD L. BOSWELL
President of the Senate

_____

HAROLD VAN MAANEN
Speaker of the House

</div>

    I hereby certify that this bill originated in the Senate and
is known as Senate File 343, Seventy-fifth General Assembly.

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_____

JOHN F. DWYER
Secretary of the Senate

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Approved _____April 27_____ , 1993

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TERRY E. BRANSTAD
Governor