

N/S GREEN/ROCK N/S TOWN LINE JOG

(B) Describe any record evidence, monument evidence, occupational evidence, testimonial evidence or any other material evidence you considered, and whether the monument was found or placed.

FROM MAR 24 TO APR 11 1832 MULLETT SURVEYED IN AN EASTERLY DIRECTION THE TOWNSHIP LINES BETWEEN T1&2N FROM R3&4E TO R9 &10E.

FOR THIS ENTIRE E/W TOWN LINE, MULLETT STARTED THE SURVEY FROM A CORNER LUCIUS LYON PLACED AT THE NE COR OF T1N R3E. THIS WAS PRIOR TO LUCIUS LYON SURVEYING THE STATE LINE IN OCT/NOV OF 1832. BETWEEN T1&2N FROM R3&4E TO R9 &10E MULLETT DID NOT RUN SOUTHERLY TO THE STATE LINE. IN THIS AREA DURING THE SPRING OF 1833 HARRISON RAN THE N/S TOWNSHIP LINE CONNECTING THE STATE LINE WITH MULLETT'S E/W TOWN LINE. HE WENT FROM EAST TO WEST. HIS N/S TOWNSHIP LINES CLOSED ON MULLETT'S TOWN LINE CORNERS. THE CLOSURE DISTANCES TO MULLETT'S E/W TOWNSHIP LINE WERE SUBSTANTIAL.

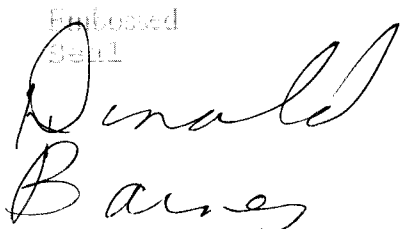
IN PAGES 51-54 OF KIT LANE'S BOOK "LUCIUS LYON: AN EMINENTLY USEFUL CITIZEN" WRITES "EDWIN JEROME WAS WORKING WITH A SURVEYING CREW LEAD BY JOHN MULLETT, AT THE TIME LUCIUS LYON WAS SURVEYING LANDS FROM THE ILLINOIS STATE LINE NORTHWARD AND ADJOINING THE FOURTH PRINCIPAL MERIDIAN. JEROME WROTE LATER, "OUR WORK WAS FOUNDED ON HIS [LYON], RUNNING EAST TO THE INDIAN BOUNDARY LINE AT SUGAR RIVER [T1N R10E]. AT EACH TIER OF TOWNSHIPS, MR. LYON LEFT A LETTER ON THE NORTHEAST CORNER POST OF THE TOWN, TELLING US OF HIS PROGRESS OF HIS WORK AND THE PROGRESS OF THE INDIAN WAR."

ON NOV 3, 1832, LYON WROTE THE GOVERNOR: "THE OCCENCE OF THE EVENT THAT HAS CAUSED THE RESIGNATION OF MR. ROUNDTREE I VERY MUCH REGRET, BOTH ON HIS OWN ACCOUNT, AND BECAUSE AS WE HAD COMMENCED, I HAD FONDLY HOPED WE SHOULD COMPLETE, THE ESTABLISHMENT OF THE BOUNDARY LINE TOGETHER. "IN THE APPOINTMENT, HOWEVER, OF MR. MESSENGER, THE STATE HAS FROM HIS PRACTICAL KNOWLEDGE AND REPUTED SCIENTIFIC ACQUIREMENTS, A SUFFICIENT QUARANTY FOR THE CORRECTNESS OF THE WORK ..... HE NOW WITH HIS PARTY PROGRESSING EASTWARDLY ON THE LINE, ABOUT TWENT-FIVE MILES FROM THIS PLACE. I LEFT HIM YESTERDAY AND TOMORROW SHALL RETURN TO CONTINUE WITH HIM THROUGH TO LAKE MICHIGAN.

FINALLY ON JANUARY 23, 1833, UNDER THE HEADING; NORTHERN BOUNDARY, THE *GALENIAN* WAS ABLE TO REPORT, "THIS VERY DESIREABLE, AND LONG WISHED FOR OBJECT, WE ARE HAPPY TO BE ABLE TO SAY, IS AT LENGTH ACCOMPLISHED. THE COMMISSIONERS, TOGETHER WITH A.M. BRALEY, ESQ., ASSISTANCE ASTRONOMER, ARE NOW IN GALENA. WE LEARN FROM THE COMMISSIONERS THAT THE LENGTH OF THE LINE FROM THE MISSISSIPPIE RIVER TO LAKE MICHIGAN IS 144 MILES AND STRIKES THE LAKE 40 MILES NORTH OF CHICAGO.

THE FOLLOWING IS FROM A REPORT AT GALENA, ILLINOIS JANUARY 29, 1833 TO ANDREW JACKSON, PRESIDENT. SIR; IN OBEDIENCE TO THE DIRECTIONS OF AN ACT OF THE GENERAL ASSEMBLY OF THE STATE OF ILLINOIS, ENTITLED "AN ACT TO ASCERTAIN AND SURVEY THE NORTHERN BOUNDARY OF THIS STATE," "AND AN ACT OF THE CONGRESS OF THE UNITED STATES, INTITLED "AN ACT TO ASCERTAIN AND MARK THE LINE BETWEEN THE STATE OF ALABAMA

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AND THE TERRITORY OF FLORIDA, AND THE NORTHERN BOUNDARY OF THE STATE OF ILLINOIS, AND FOR OTHER PURPOSES," THE COMMISSIONERS APPOINTED UNDER SAID ACTS HAVE THE HONOR TO REPORT: "HERE, ON ACCOUNT OF THE LATENESS OF THE SEASON AND THE INCLEMENCY OF THE WEATHER, THE WORK WAS DISCONTINUED FOR THE WINTER, WITH THE INTENTION THAT IT SHOULD BE RESUMED AS EARLY AS PRACTICABLE ON THE FOLLOWING SPRING. AS DUE, HOWEVER, TO THE INTEREST FELT IN THE ESTABLISHMENT OF THE BOUNDARY, BY THE CITIZENS OF THE STATE AND TERRITORY LIVING NEAR IT, ON EITHER SIDE, BEFORE LEAVING THE SURVEY, A RANDOM LINE WAS RUN OUT EIGHTEEN MILES DUE EAST (T1N R3E), TO A POINT BEYOND ALL THE SETTLEMENTS IN THAT DIRECTION. "THE EARLY INDICATIONS OF HOSTILITY ON THE PART OF THE INDIANS THROUGH SOME PART OF WHOSE COUNTRY THE LINE WOULD RUN, PREVENTED THE MEETING OF THE BOARD IN THE SPRING; AND AFTER THE SETTLEMENT OF THE DISTURBANCE ON THE FRONTIER, IT WAS NOT UNTIL THE LAST OF OCTOBER, 1832, THAT ARRANGEMENTS COULD BE MADE TO RESUME THE WORK. "FROM ITS INTERSECTION WITH THE FOURTH PRINCIPAL MERIDIAN, THE POINT WHERE THE WORK WAS LEFT ON THE PRECEDING YEAR, THE LINE WAS CONTINUED EAST ABOUT SEVENTY MILES TO ROCK RIVER, WHERE, AFTER A SERIES OF CELESTIAL OBSERVATIONS, IT WAS FOUND THAT, IN THE DISTANCE ALREADY RUN, WE HAD DIVERGED FROM THE EQUATOR FIFTY-FOUR SECONDS IN LATITUDE [1518.57'] -- A DISTANCE SO GREAT AS TO RENDER IT NECESSARY TO MAKE A CORRECTION. THE DIVERGENCY IS ATTRIBUTED TO THE GREAT AND FREQUENT FLUCTUATIONS OF THE VARIATION OF THE MAGNETIC NEEDLE, AND THE GENERAL DECREASE OF ITS VARIATION IN GOING EASTWARDLY IN THIS LONGITUDE, THE EFFECT OF WHICH, ALTHOUGH FREQUENT OBSERVATIONS WERE MADE TO ASCERTAIN THE TRUE MERIDIAN, IS SUFFICIENT NOT ONLY TO COUNTERACT THE TENDENCY OF THE LINE TOWARDS THE EQUATOR, BUT ALSO TO ACCOUNT SATISFACTORILY FOR THE ERROR HERE FOUND. HAVING OFFSET DUE SOUTH TO THE LATITUDE 42-30 N, AND ESTABLISHED, IN A PERMANENT AND CONSPICUOUS MANNER, A STARTING POINT ON THE LEFT OR EAST".

IT WAS ALSO AGREED BY THE BOARD BEFORE ITS ADJOURNMENT, THAT, AS A MEASURE RECOMMENDED BY CONSIDERATION OF ECONOMY, THERE SHOULD BE EMPLOYED ON THE REMAINDER OF THE LINE BUT ONE PERSON WITH THE COMPASS, AND, IN PURSUANCE OF THIS ARRANGEMENT, THE PRESENT COMMISSIONER ON THE PART OF THE STATE WAS THEN APPOINTED SOLE SURVEYOR."

AFFIDAVIT FOR STATE LINE @ SEC 32 T1N R23E. REMARKS - THIS FOREGOING PAGES [FROM #1 TO #136] CONTAINS THE FIELD NOTES OF THE BASE LINE FOR THE SURVEY LYING WEST OF THE LAKE, WHICH BASE LINE WAS ESTABLISHED ON AND COINCIDES WITH THE LINE RUN AND ESTABLISHED AS THE NORTHERN BOUNDARY OF ILLINOIS IN 1832 & 1833. THE FOREGOING NOTES ARE HEREBY CERTIFIED TO BE CORRECT BY LUCIUS LYON D.S. AND LATE COMM?? ON THE PART OF THE U.S. DETROIT MI JUNE 21, 1833.

I SEARCHED FROM PAGE #1-136 OF LYON'S STATE LINE FIELD NOTES AND WAS UNABLE TO FIND A DATE. TOM SPRAGUE PUBLISHED HIS MANUAL FOR ESTABLISHING AND PERPETUATING THE ORIGINAL GOVERNMENT SURVEY IN WISCONSIN. IN PAGE 20 HE STATES "THE SOUTH LINE, ILLINOIS BORDER, WAS RUN BY LUCIUS LYON IN THE 2ND QUARTER OF 1834, UNDER CONTRACT DATED NOV 18, 1833.

Printed  
Read  
*Ronald Barnes*

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TOM SPRAGUE PUBLISHED HIS MANUAL FOR ESTABLISHING AND PERPETUATING THE ORIGINAL GOVERNMENT SURVEY IN WISCONSIN. IN PAGE 25 STARTS THE COPY OF THE GENERAL INSTRUCTIONS TO HIS DEPUTIES; BY THE SURVEYOR GENERAL OF THE UNITED STATES,

FOR THE STATES OF OHIO AND INDIANA, AND THE TERRITORY OF MICHIGAN, WHICH IS DATED 1833 IN CINCINNATI. ON PAGE 42 AND 43 HE STATES "SECTION 3 READ AS FOLLOWS BEFORE AN INK DELETION APPARENTLY MADE IN 1839; [IN CLOSING OUT THE SECTION LINES TO THE NORTH AND WEST BOUNDARIES OF THE TOWNSHIP, UNLESS THE SECTION LINES INTERSECT THE BOUNDARIES AT THE SECTION CORNERS THEREON ESTABLISHED FOR THE ADJOINING TOWNSHIPS, YOU MUST SET A POST, AND TAKE BEARING TREES AT EACH SUCH INTERSECTION, AND MEASURE AND NOTE THE DISTANCE TO THE POSTS PREVIOUSLY SET FOR THE ADJOINING TOWNSHIP, AND ON WHICH SIDE OF SUCH POSTS.

IN MAY 1833 HARRISON SURVEYED NORTH ALONG THE N/S TOWNSHIP LINE BETWEEN T1N R9&10E TO THE SOUTH BANK OF SUGAR RIVER WHICH AT 33.50 CHAINS HE SET A POST. ON SEP 2, 1833 MULLETT SURVEYED NORTH FROM HARRISON'S POST ON THE SOUTH BANK OF SUGAR RIVER AND CONTINUED HARRISON'S CHAINING COUNT OF 33.50. ON THE EAST SIDE OF SEC 1 T1N R9E FROM THE SE COR OF SEC 1 AND AT 8,828.82' MULLETT INTERSECTED THE SOUTH BOUNDARY OF T2N R9E AS RUN OUT FROM POST ON RIGHT BANK OF SUGAR CREEK. IN MAY 1833, HARRISON SURVEYED THE N/S TOWNSHIP LINES FOR T1N FROM R4-9E.

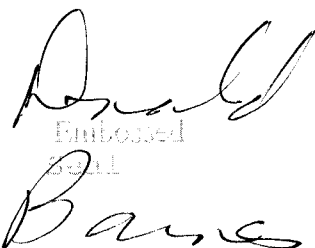
HARRISON'S ORIGINAL GOVERNMENT FIELD NOTES FOR T1N R9E CALLS FOR A RANDOM STATE LINE, WHICH IS NORTH OF THE CURRENT STATE LINE. BETWEEN SEC 35 & 36 T1N R9E THE ORIGINAL GOVERNMENT DISTANCE BETWEEN THE RANDOM STATE LINE & THE CURRENT STATE LINE IS 3,993', BETWEEN SEC 33 & 34 T1N R9E IT IS 3828', BETWEEN 32 & 33 T1N R9E IT IS 3927', BETWEEN 31 & 32 T1N R9E IT IS 3432' AND BETWEEN SEC 31 & 32 T1N R12E IT IS 5049'.

THE VERY LARGE N/S JOG IN CORNERS BETWEEN R9E & R10E FIRST APPEARS AT THE NW COR SEC 6 AVON TWP T1N R10E AND CONTIUES NORTH THRU ROCK COUNTY.

ON TOWN LINE AT NE COR SEC 1 T2N R9E MULLETT STATES " AS RUN OUT FROM POST SUGAR CREEK". SET POST AT INTERSECTION FOR CORNER TO TOWN 1 & 2 NORTH OF RANGE 9 EAST.

ON TOWN LINE AT NE COR SEC 1 T3N R9E MULLETT STATES " AS RUN OUT FROM POST SUGAR CREEK". SET POST AT INTERSECTION FOR CORNER TO TOWN 1 & 2 NORTH OF RANGE 9 EAST.

ON TOWN LINE AT NE COR SEC 1 T4N R9E MULLETT STATES FOR THE LAST TIME " AS RUN OUT FROM POST SUGAR CREEK". SET POST AT INTERSECTION FOR CORNER TO TOWN 1 & 2 NORTH OF RANGE 9 EAST. RAISED A MOUND OF EARTH 4 FEET SQUARE AND 4 FEET HIGH. T1N R9E GOVERNMENT MAP CALLS FOR A SIMILIAR SURPLUS IN THE NORTHERN HALF OF SECTIONS 1-6 T1N R10E. THE E/W TOWN LINE BETWEEN T1N & T2N R9E APPEARS TO TAKE A BEND AT THE NW COR OF SEC 2.

  
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ON SEP 2, 1833 MULLETT SURVEYED NORTH ON THE EAST SIDE OF SEC 1 T2N R9E FROM THE SE COR OF SEC 1 AND AT 5,138.1' INTERSECTED SOUTH BOUNDARY OF T3N R9E AS RUN OUT FROM POST ON RIGHT BANK OF SUGAR CREEK. SET POST AT INTERSECTION FOR CORNER TO TOWN 2 & 3 NORTH OF RANGE 9 EAST. RAISED A MOUND OF EARTH 4 FEET SQUARE AND 4 FEET HIGH.

ON SEP 7, 1833 MULLETT'S E/W TOWN LINE INTERSECTED THE T1N R9 & 10E RANGE LINE 4,117.08' SOUTH OF POST AT THE NE COR SEC 1 T1N R9E & THE SE COR SEC 36 T2N R9E.

MULLETT SET POSTS AT THE INTERSECTION FOR COR T1N R9E & R2N 10E. THIS JOG APPEARS ON THE USGS QUAD AND SCALES ABOUT THIS 4,117.08' DISTANCE.

ON SEP 1833 MULLETT SURVEYED WESTERLY TOWNSHIP LINE BETWEEN T2&3N R10E. HE INTERSECTED THE N/S RANGE LINE 961.62' NORTH OF POST FOR COR TO SEC 1 & 12 R9E T2 & 3N.

ON SEP 12 TH, 1833 MULLETT SURVEYED THE E/W TOWNSHIP LINE BETWEEN T3 & 4N R9 & 10E & INTERSECTED THE RANGE LINE 924' NORTH OF COR TO SEC 1 & 12 T3&4N R9E. HE SET A POST AT INTERSECTION.

ON SEP 12 TH, 1833 MULLETT SURVEYED WESTERLY ALONG THE TOWN LINE T4&5N R10E. HE INTERSECTED THE RANGE LINE 957' NORTH OF COR SEC 1 & 12 T4N R9E AND SET POST AT INTERSECTION FOR COR TO T4&5N R10E.

THUS THE N/S JOGS ALONG THE TOWNSHIP LINE BETWEEN T2N TO 4N R9 & 10E IN ROCK COUNTY IS SUBSTANTIALLY LARGE. THEY EXCEED 950'.

ON SEP 6 TH, 1833 MULLETT SURVEYED WESTERLY THE TOWNSHIP LINE BETWEEN T1 & 2N R11E. HE INTERSECTED HIS TWP LINE 264' SOUTH OF THE TEMPORARY POST FOR CORNER TO T1&2N R10&11E & SET BTS.

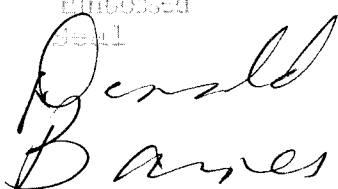
MULLETT RAN THE N/S TOWN LINE BETWEEN R11 & 12 E AND FROM THIS TOWNSHIP LINE HE RAN THE TOWNSHIP LINES EAST TO ROCK RIVER. HE ALSO RAN THE E/W TOWNSHIP LINES WEST FROM THIS LINE TO THE NEXT N/S TOWN LINE.

FROM MARCH 8 - 13, 1834 MILLER SURVEYED T1N R11E.

FROM MARCH 14 - DECEMBER 7 1833 HARRISON SURVEYED THE INTERIOR SECTION LINES OF T1-4N R10 & T2-4N & 11E. HE DID THE N/S TOWN LINES AND TOWNSHIPS FROM EAST TO WEST.

N/S JOGS ARE RECORDED ON THE PLAT, FIELD NOTES, AND OR OLD COUNTY SURVEYOR FOR THE WESTERN TOWN LINE OF T1-4N R11E. THE N/S JOG ON THIS TOWNSHIP LINE VARIES ABOUT 12'-300'. IN ROCK COUNTY THERE ARE NO OTHER N/S JOGS ON THE TOWNSHIP LINES FROM R12-14E

BASED ON THE TIME LINE & SURVEYORS, I BELIEVE THE N/S JOGS ON THE EASTERN N/S TOWN LINE OF R4E TO R9E IS A RESULT OF MULLETT RUNNING THE E/W TOWN LINE BETWEEN T1&2N FROM R4E TO R9E PRIOR TO THE STATE LINE BEING RUN. THE RANDOM STATE LINE IS CLOSER TO HIS LINE, WHICH WOULD HAVE DRASTICALLY REDUCED THE N/S JOG. SINCE MULLETT MADE NO

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N/S CHECK TO THE RANDOM STATE LINE NOR THE CURRENT STATE LINE, HARRISON WAS FORCED TO ESTABLISH A N/S CLOSING CORNER. THE CUT LIMESTONE I FOUND ON THE WEST SIDE OF ROCK RIVER IS LATITUDE IS 42-29-46.05734 AND THE LONGITUDE IS 89-02-33.08530 BASED ON GEODETIC REFERENCE SYSTEM OF 1980 (GRS 80) ADJUSTMENT NORTH AMERICAN DATUM OF 1983 (2010).

LYON ORIGINALLY DETERMINED AN ERROR OF FIFTY-FOUR SECONDS IN LATITUDE AND CORRECTED TO THE SOUTH. HE ATTEMPTED TO PLACE THIS CORNER AT LATITUDE 42-30 NORTH, WHICH IS ONLY DIFFERENT FROM MY COMPUTED LATITUDE BY SOUTH 0-00'-14" [87.59']. HOWEVER, THE USGS SCALED DISTANCE BETWEEN LAT 42-30 NORTH AND THE STATE LINE IS SOUTH 1,400'. THE USGS LATITUDE AND LONGITUDE IS BASED ON THE 1927 NORTH AMERICAN DATUM.

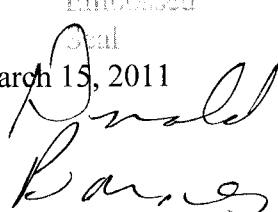
*C) Was the corner restored through acceptance of (1) an obliterated evidence location, or, (2) a found perpetuated location?*

I ATTEMPTED TO DOCUMENT THE ORIGINAL GOVERNMENT SURVEYORS' ACTIVITIES TO DETERMINE THE REASON FOR THE N/S TOWNSHIP JOGS FROM R3E TO R12E FROM T1N/T2N.

*D) Describe any material discrepancy between the location of the corner as restored or reestablished and the location of that corner as previously restored or reestablished by distance and direction. Show the discrepancy on the plan view drawing under (a), above. Show the distances between the corner as previously restored or reestablished and (1) the corner as restored or reestablished, and (2) to at least 4 of the witness monuments shown on the drawing in (a), above.*

*(E) Was the corner reestablished through lost corner proportionate methods? If so, show the method, including the directions and distances to other public land survey corners used as evidence or used for proportioning the corner location.*

I, Donald Barnes, hereby certify that the corner location as identified by the corner code index was determined by me under my direction and control and that this U.S. Public Land Survey Monument Record is correct and complete to the best of my knowledge and belief.

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March 15, 2011  


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A-E 7.08 REQUIREMENT